832 Price/Sales Catalog

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Price/Sales Catalog Transaction Set (832) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to furnishing or requesting the price of goods or services in the form of a catalog.

Notes:

1. This transaction set is used by commercial firms to submit to an agency of the Federal Government a catalog of goods and/or services available to the general public; a catalog of goods and/or services available only to Government entities; sales information that is not available within a catalog; or to identify special promotions.

2. This transaction set may also be used by Government agencies as a catalog of items that are for sale to other Government agencies or to the general public, e.g., the Government Printing Office.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BCT	Beginning Segment for Price/Sales Catalog	M	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CTP	Pricing Information	O	100		
	050	REF	Reference Numbers	O	12		
Not Used	060	PER	Administrative Communications Contact	O	3		
	070	DTM	Date/Time Reference	O	10		
	080	CTB	Restrictions/ Conditions	O	25		
	090	CUR	Currency	O	5		
	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
	120	LDT	Lead Time	O	>1		
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
	140	FOB	F.O.B. Related Instructions	O	1		
Not Used	145	G93	Price Bracket Identification	O	50		
			LOOP ID - N1			200	
Must Use	150	N1	Name	O	1		
	160	N2	Additional Name Information	O	2		
	170	N3	Address Information	O	2		
	180	N4	Geographic Location	O	1		
	190	REF	Reference Numbers	O	12		

| | 200 | PER | Administrative Communications Contact | O | 3 | | |
| Not Used | 201 | DTM | Date/Time Reference | O | 10 | | |

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			700000	
	010	LIN	Item Identification	O	1		
	015	G53	Maintenance Type	O	1		n1
	020	SLN	Subline Item Detail	O	100		
	030	DTM	Date/Time Reference	O	10		
	040	REF	Reference Numbers	O	12		
Not Used	050	PER	Administrative Communications Contact	O	3		
	060	CTB	Restrictions/ Conditions	O	25		
	070	PID	Product/Item Description	O	200		
	080	MEA	Measurements	O	40		
Not Used	090	PKG	Marking, Packaging, Loading	O	25		
	100	PO4	Item Physical Details	O	1		
	110	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	10		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
	140	LDT	Lead Time	O	1		
	150	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
	160	FOB	F.O.B. Related Instructions	O	1		
Not Used	165	TC2	Commodity	O	2		
	166	TXI	Tax Information	O	1		
Not Used	167	G39	Item Characteristics - Vendor's Selling Unit	O	1		
Not Used	168	G55	Item Characteristics - Consumer Unit	O	1		
Not Used	169	G54	Module Description	O	1		
			LOOP ID - CTP			100	
	170	CTP	Pricing Information	O	1		
Not Used	175	G40	Bracket Price	O	99		
	180	DTM	Date/Time Reference	O	10		
Not Used	182	G36	Price List Reference	O	1		
Not Used	190	LDT	Lead Time	O	1		
Not Used	200	CUR	Currency	O	5		
Not Used	210	PO4	Item Physical Details	O	1		
Not Used	220	CTB	Restrictions/ Conditions	O	5		
Not Used	225	REF	Reference Numbers	O	>1		
Not Used	227	G43	Promotion/Price List Area	O	9999		
	228	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	229	G26	Pricing Conditions	O	99		
			LOOP ID - N1			200	
	230	N1	Name	O	1		
	240	N2	Additional Name Information	O	2		

	250	N3	Address Information	O	2		
	260	N4	Geographic Location	O	1		
Not Used	270	REF	Reference Numbers	O	12		
	280	PER	Administrative Communications Contact	O	3		
Not Used	281	DTM	Date/Time Reference	O	10		
			LOOP ID - PKL			10	
Not Used	285	PKL	Multi-Pack Configuration	O	1		
Not Used	290	CTP	Pricing Information	O	1		
Not Used	295	PKG	Marking, Packaging, Loading	O	2		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n2
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. If BCT10 is used and G5301 is used, then the G5301 takes precedence.

2. Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction.

Segment: # ST Transaction Set Header

Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3

Code uniquely identifying a Transaction Set

    832   X12.13 Price/Sales Catalog

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ST02	329	**Transaction Set Control Number**	M	AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

This unique control number is assigned by the originator of the transaction set or by the originator's application program. This same number is carried in SE02.

Segment: **BCT** Beginning Segment for Price/Sales Catalog

Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number information

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	BCT01	683	Catalog Purpose Code	M	ID 2/2

Code indicating purpose of catalog

Use to identify the type of catalog.

  CP   Customized Catalog

    A collection of criteria for the user of a catalog that generates responses from the catalog when the criteria are met

    Use to indicate a catalog (with or without prices) of goods and/or services available only to government entities. This code is also used to indicate a price list.

  PC   Price Catalog

    Use to indicate a catalog (with or without prices) of goods and/or services available to the general public.

  SC   Sales Catalog

    Use to indicate sales information (with or without prices) not available within a catalog, e.g., a sales brochure, notice of future sales items, etc.

	Ref. Des.	Data Element	Name		Attributes
Must Use	BCT02	684	Catalog Number	O	AN 1/15

Identifying number for catalog or superseded catalog

1. A unique number assigned by the originator of the transaction set that identifies the catalog being transmitted.

2. Cite the catalog number that is being superseded in BCT06, if applicable.

3. Use of this data element is REQUIRED.

Not Used	BCT03	685	**Catalog Version Number**	**O**	**AN 1/15**

Identifying version number of catalog or superseded catalog

	BCT04	686	**Catalog Revision Number**	**O**	**AN 1/6**

Identifying revision number of catalog or superseded catalog

1. A unique number assigned by the originator of the transaction set that identifies the revision, if any, to the catalog being cited in BCT02.

2. When used, cite the revision that is being superseded in BCT08, if applicable.

3. When this data element is used, BCT10 shall cite code 02, 03, or 04.

Not Used	BCT05	355	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

	BCT06	684	**Catalog Number**	**O**	**AN 1/15**

Identifying number for catalog or superseded catalog

Use to identify a catalog number which is superseded by the catalog number cited in BCT02. When this data element is used, BCT10 shall cite code 05.

Not Used	BCT07	685	**Catalog Version Number**	**O**	**AN 1/15**

Identifying version number of catalog or superseded catalog

	BCT08	686	**Catalog Revision Number**	**O**	**AN 1/6**

Identifying revision number of catalog or superseded catalog

Use to identify a catalog revision number that is being superseded.

	BCT09	352	**Description**	**O**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Use to identify the title of the catalog cited in BCT02.

Must Use	BCT10	353	**Transaction Set Purpose Code**	**O**	**ID 2/2**

Code identifying purpose of transaction set

Use of this data element is REQUIRED.

00   Original

Use to indicate an original catalog.

02   Add

1. Use only when BCT04 is used.

2. Use to indicate an addition to a previously transmitted catalog. When used, this code signifies the addition of a new or first occurrence of a free standing segment(s) or a new or first iteration of a loop(s). When used, transmit the segment(s) or loop(s) containing the data to be added in their entirety.

3. If this change is the result of an approved contract modification, cite the contract modification number in the 1/REF/050 segment citing code 92 in REF01.

03   Delete

1. Use only when BCT04 is used.

2. Use to indicate a deletion from a previously transmitted catalog. When used, this code signifies the deletion, without replacement, of an entire occurrence of a free standing segment(s) or an entire iteration of a loop(s). When used, transmit the segment(s) or loop(s) containing the data to be deleted in their entirety.

3. If this change is the result of an approved contract modification, cite the contract modification number in the 1/REF/050 segment citing code 92 in REF01.

04   Change

1. Use only when BCT04 is used.

2. Use to indicate a change to a previously transmitted catalog that contains a combination of data additions, deletions or changes. When used, transmit all segments or loops that contain data additions, deletions or changes in their entirety. Use this code only when codes 02 or 03 do not apply.

3. If this change is the result of an approved contract modification, cite the contract modification number in the 1/REF/050 segment citing code 92 in REF01.

05   Replace

Use to indicate a replacement for a superseded catalog. Use when BCT06, is used.

07   Duplicate

Use when transmitting a duplicate of a previously transmitted transaction set.

42   Temporary Record

Preliminary data that will be replaced with permanent information once verification of accuracy and completeness has been performed

Use to indicate a promotion or special sale. When

used, there must be 1 use of the 1/REF/050
segment with REF01 citing code PD

Segment:	**REF** Reference Numbers
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	
Notes:	*Use this 1/REF/050 segment to identify reference numbers that apply to all of the items in the catalog. If the reference numbers vary by item, use the 2/REF/040 segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Number Qualifier**	M ID 2/2

Code qualifying the Reference Number.

92   Change Document Number

Reference numbers to track changes made to a contract

When BCT10 is code 02, 03, or 04, if the change is the result of a contract modification, use to indicate the contract modification number which authorized the change.

GC   Government Contract Number

Use when the price list being transmitted applies to an existing Government contract.

ME   Message Address or ID

Use to indicate the World Wide Web Uniform Resource Locator (URL) where the originator's catalog may be found. When used, cite the address in REF03.

PD   Promotion/Deal Number

When BCT10 is code 42, use to indicate a unique promotion or deal number.

TN   Transaction Reference Number

1. Use to indicate the unique reference number of a transaction set that is transmitting images of the items or data relating to the items identified in this transaction set.

2. When used, cite the related transaction set's

unique number in REF02 and cite the X12 transaction set designator of the related transaction set, e.g., 841, in REF03.

       W6   Federal Supply Schedule Number

Identifies an item with a two-digit group number, two-digit part number, and one-character section letter

Use when the price list being transmitted applies to an existing Federal Supply Schedule (FSS).

REF02   **127**   **Reference Number**   **X   AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

REF03   **352**   **Description**   **X   AN 1/80**

A free-form description to clarify the related data elements and their content

1. When REF01 is code ME, use to identify the World Wide Web URL.

2. When REF01 is code TN, use to identify the X12 transaction set designator, e.g., 841.

			Segment:	**DTM** Date/Time Reference

Segment: **DTM** Date/Time Reference

Position: 070

Loop:

Level: Heading

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes:
1 At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *Use this 1/DTM/070 segment to identify dates that apply to all of the items in the catalog. When the dates vary by item, use the 2/DTM/030 segment.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use **DTM01**	**374**	**Date/Time Qualifier**	**M ID 3/3**

Code specifying type of date or time, or both date and time

007 Effective

Use to indicate the effective date of a catalog.

015 Promotion Start

Use, in conjunction with BCT10 code 42, to indicate the start date of a promotion.

016 Promotion End

Use, in conjunction with BCT10 code 42, to indicate the stop date of a promotion.

036 Expiration

Date coverage expires

Use to indicate the expiration date of a catalog.

DTM02	**373**	**Date**	**X DT 6/6**

Date (YYMMDD)

DTM03	**337**	**Time**	**X TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Use to identify the time that a promotion starts or ends.

DTM04	**623**	**Time Code**	**O ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the

codes that follow

CT	Central Time
ET	Eastern Time
GM	Greenwich Mean Time
LT	Local Time
MT	Mountain Time
PT	Pacific Time

	DTM05	**624**	**Century**	**O**	**N0 2/2**

The first two characters in the designation of the year (CCYY)

Not Used	**DTM06**	**1250**	**Date Time Period Format Qualifier**	**X**	**ID 2/3**

Code indicating the date format, time format, or date and time format

Not Used	**DTM07**	**1251**	**Date Time Period**	**X**	**AN 1/35**

Expression of a date, a time, or range of dates, times or dates and times

Segment:		**CTB** Restrictions/ Conditions			

Segment: **CTB** Restrictions/ Conditions

Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To specify restrictions/conditions (such as shipping, ordering)
Syntax Notes:
    1   At least one of CTB02 CTB04 or CTB06 is required.
    2   If either CTB03 or CTB04 is present, then the other is required.
    3   If either CTB05 or CTB06 is present, then the other is required.
Semantic Notes:
Comments:
Notes:

1. Use this 1/CTB/080 segment when the restrictions/conditions apply to all of the items in the catalog. Use the 2/CTB/060 segment when the restrictions/conditions vary by item.

2. If the selling party WILL NOT accept orders from state and local governments, this information shall be provided in this segment by citing code DW in CTB01. If there are no restrictions regarding from whom the selling party will accept orders, do not use code DW in CTB01.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	CTB01	688	**Restrictions/Conditions Qualifier**	**M**	**ID 2/2**

Code identifying the type of restriction/condition

     DW   Direct and Wholesaler

Use only if the selling party will not accept orders from state and local governments. When used, identify in CTB02 from whom the selling party will accept orders.

     NR   Nonreturnable

Use to indicate items are nonreturnable. When used, identify specific conditions applicable to nonreturnable items in CTB02.

     OR   Ordering

Use to indicate a minimum or maximum order quantity and/or monetary amount.

     SR   Shipping

Use to indicate a minimum or maximum shipment quantity and/or monetary amount.

	CTB02	352	**Description**	**X**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Use for a free-form text description of a restriction or condition applicable to the items in the catalog.

CTB03	**673**	**Quantity Qualifier**	**X**	**ID 2/2**

Code specifying the type of quantity

57	Minimum Order Quantity
67	Minimum Ship Quantity
69	Incremental Order Quantity

1. Use to indicate the increment, above the minimum quantity, for which additional quantities will be accepted. For example, the minimum quantity may be 50 but quantities above 50 must be in increments of 25.

2. If no minimum quantity is stated (code 57), the minimum quantity will default to the incremental quantity (when code 69 is cited).

70	Maximum Order Quantity
MQ	Maximum Ship Quantity

CTB04	**380**	**Quantity**	**X**	**R 1/15**

Numeric value of quantity

CTB05	**522**	**Amount Qualifier Code**	**X**	**ID 1/2**

Code to qualify amount

KQ	Incremental Order Amount

Use to indicate the increment, above the minimum amount, in which orders will be accepted. For example, the minimum order amount may be $100 but orders above $100 must be in increments of $50.

MA	Maximum Amount
MO	Minimum Order Value
	Minimum value of order allowed

CTB06	**610**	**Amount**	**X**	**N2 1/15**

Monetary amount

Segment:	**CUR** Currency	
Position:	090	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	5	
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction	
Syntax Notes:	1	If CUR08 is present, then CUR07 is required.
	2	If CUR09 is present, then CUR07 is required.
	3	If CUR10 is present, then at least one of CUR11 or CUR12 is required.
	4	If CUR11 is present, then CUR10 is required.
	5	If CUR12 is present, then CUR10 is required.
	6	If CUR13 is present, then at least one of CUR14 or CUR15 is required.
	7	If CUR14 is present, then CUR13 is required.
	8	If CUR15 is present, then CUR13 is required.
	9	If CUR16 is present, then at least one of CUR17 or CUR18 is required.
	10	If CUR17 is present, then CUR16 is required.
	11	If CUR18 is present, then CUR16 is required.
	12	If CUR19 is present, then at least one of CUR20 or CUR21 is required.
	13	If CUR20 is present, then CUR19 is required.
	14	If CUR21 is present, then CUR19 is required.
Semantic Notes:		
Comments:	1	See Figures Appendix for examples detailing the use of the CUR segment.
Notes:	*Use this segment to identify a foreign currency in which the prices within the catalog are stated. Do not use if the prices are stated in US dollars.*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	CUR01	98	**Entity Identifier Code**	M	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
			SE Selling Party		
Must Use	CUR02	100	**Currency Code**	M	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified		
			Use to indicate the currency in which prices are expressed, if other than US dollars.		
Not Used	CUR03	280	**Exchange Rate**	O	R 4/6
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another		
Not Used	CUR04	98	**Entity Identifier Code**	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
Not Used	CUR05	100	**Currency Code**	O	ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified

Not Used	CUR06	669	**Currency Market/Exchange Code**	O	**ID 3/3**

Code identifying the market upon which the currency exchange rate is based

Not Used	CUR07	374	**Date/Time Qualifier**	X	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR08	373	**Date**	O	**DT 6/6**

Date (YYMMDD)

Not Used	CUR09	337	**Time**	O	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR10	374	**Date/Time Qualifier**	X	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR11	373	**Date**	X	**DT 6/6**

Date (YYMMDD)

Not Used	CUR12	337	**Time**	X	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR13	374	**Date/Time Qualifier**	X	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR14	373	**Date**	X	**DT 6/6**

Date (YYMMDD)

Not Used	CUR15	337	**Time**	X	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR16	374	**Date/Time Qualifier**	X	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR17	373	**Date**	X	**DT 6/6**

Date (YYMMDD)

Not Used	CUR18	337	**Time**	X	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal

seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR19	374	**Date/Time Qualifier**	X	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR20	373	**Date**	X	**DT 6/6**

Date (YYMMDD)

Not Used	CUR21	337	**Time**	X	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale		
Position:	110		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	2		
Purpose:	To specify terms of sale		
Syntax Notes:	1	If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.	
	2	If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.	
	3	If ITD09 is present, then at least one of ITD10 or ITD11 is required.	
Semantic Notes:	1	ITD15 is the percentage applied to a base amount used to determine a late payment charge.	
Comments:	1	If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.	
Notes:	*Use this 1/ITD/110 segment to identify sales terms that apply to all of the items in the catalog.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Not Used	ITD01	336	**Terms Type Code**	O **ID 2/2**
			Code identifying type of payment terms	
Not Used	ITD02	333	**Terms Basis Date Code**	O **ID 1/2**
			Code identifying the beginning of the terms period	
	ITD03	338	**Terms Discount Percent**	O **R 1/6**
			Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
			Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).	
Not Used	ITD04	370	**Terms Discount Due Date**	X **DT 6/6**
			Date payment is due if discount is to be earned	
	ITD05	351	**Terms Discount Days Due**	X **N0 1/3**
			Number of days in the terms discount period by which payment is due if terms discount is earned	
Not Used	ITD06	446	**Terms Net Due Date**	O **DT 6/6**
			Date when total invoice amount becomes due	
	ITD07	386	**Terms Net Days**	O **N0 1/3**
			Number of days until total invoice amount is due (discount not applicable)	
Not Used	ITD08	362	**Terms Discount Amount**	O **N2 1/10**
			Total amount of terms discount	
Not Used	ITD09	388	**Terms Deferred Due Date**	O **DT 6/6**
			Date deferred payment or percent of invoice payable is due	

Not Used	ITD10	389	**Deferred Amount Due**	X	N2 1/10

Deferred amount due for payment

Not Used	ITD11	342	**Percent of Invoice Payable**	X	R 1/5

Amount of invoice payable expressed in percent

Not Used	ITD12	352	**Description**	O	AN 1/80

A free-form description to clarify the related data elements and their content

Not Used	ITD13	765	**Day of Month**	X	N0 1/2

The numeric value of the day of the month between 1 and the maximum day of the month being referenced

	ITD14	107	**Payment Method Code**	O	ID 1/1

Code identifying type of payment procedures

Use to identify that the originator accepts the government credit card for payment.

N   Billing Account

The account or summary account that represents a customer's net compensation position with the bank for the relationship within this transaction set

Use to indicate the government credit card.

Not Used	ITD15	954	**Percent**	O	R 1/10

Percentage expressed as a decimal

Segment:	**LDT** Lead Time				
Position:	120				
Loop:					
Level:	Heading				
Usage:	Optional				
Max Use:	>1				
Purpose:	To specify lead time for availability of products and services				
Syntax Notes:					
Semantic Notes:	1	LDT04 is the effective date of lead time information.			
Comments:	1	LDT02 is the quantity of unit of time periods.			
Notes:	*Use this 1/LDT/120 segment when a date is expressed as a set time period from the occurrence of some event and applies to all of the items in the catalog. If the date varies by item, use the 2/LDT/140 segment.*				

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	LDT01	345	**Lead Time Code**	M	ID 2/2
			Code indicating the time range		
			AE	From date of PO receipt to shipment	
			AF	From date of PO receipt to delivery	
			AX	From Date of Award to Date of Completion	
				Use only for services.	
			AY	From Date of Award to Date of Delivery	
Must Use	LDT02	380	**Quantity**	M	R 1/15
			Numeric value of quantity		
Must Use	LDT03	344	**Unit of Time Period or Interval**	M	ID 2/2
			Code indicating the time period or interval		
			DA	Calendar Days	
			DW	Work Days	
			MO	Month	
			WK	Weeks	
Not Used	LDT04	373	**Date**	O	DT 6/6
			Date (YYMMDD)		

Segment:	# SAC Service, Promotion, Allowance, or Charge Information
Position:	130
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	25
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:
1. At least one of SAC02 or SAC03 is required.
2. If either SAC03 or SAC04 is present, then the other is required.
3. If either SAC06 or SAC07 is present, then the other is required.
4. If either SAC09 or SAC10 is present, then the other is required.
5. If SAC11 is present, then SAC10 is required.
6. If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. If SAC14 is present, then SAC13 is required.

Semantic Notes:
1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3. SAC08 is the allowance or charge rate per unit.
4. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
5. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.

Comments:
1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes:
1. Use this segment to identify charges, allowances, no charge services and discounts (including "free goods") that apply to all of the items in the catalog. The charge, allowance or discount can be either a dollar rate or a percentage and can be applied to the item unit price, the line item total amount, the total order amount, a specified amount, or various quantities. This information can also be associated with a zone to which deliveries will be made.

2. When BCT10 is code 42, discount information identified in this segment refers to promotional discounts.

3. Use also to identify taxes that are applicable to all of the items in the catalog. If the taxes differ by item or are not applicable to all the items, use the 2/TXI/166

segment to provide the information.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SAC01	248	Allowance or Charge Indicator	M ID 1/1

Code which indicates an allowance or charge for the service specified

    A   Allowance

    C   Charge

    N   No Allowance or Charge

    Use to indicate there is no charge for the specified service.

	Ref. Des.	Data Element	Name	Attributes
	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4

Code identifying the service, promotion, allowance, or charge

1. Any code may be used but the following codes are preferred.

2. When BCT10 is code 42, codes C300, C310, D170, D440, F910, and I530 are used to identify promotional discounts.

A310   Air Express Charge
A320   Air Transportation Charge
A480   Assembly
A880   Cancellation Charge
B940   Cutting Charge
C000   Defective Allowance
C260   Discount - Incentive
Use to indicate that the contractor offers a discount when payment is made using the government credit card.

C300   Discount - Special
Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against a total order quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units. Identify the quantity in SAC10/11. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This is contrast to the F910 step ladder discount that applies a single discount to the total order quantity.

C310   Discount
Use to indicate a general discount. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This general discount is not used in combination with C300 or F910. Include any

general discount within the C300 or F910 discount considerations.

C370   Diversion Charge
C580   Emergency Service
C590   Emergency Surcharge
C880   Expediting Premium.
D170   Free Goods
1. Use to indicate a quantity provided at no cost if a specified quantity or monetary amount is purchased, e.g., buy 10, get 1 free. For a specified quantity, cite the "free" quantity in SAC10 and cite the "buy" quantity in SAC11. Identify the specified amount in SAC05.

2. If free goods are applicable to a monetary amount range, multiple repetitions of this SAC segment must be transmitted using code D170 in SAC02. In this instance, the amount transmitted represents the base amount to qualify for the number of "free goods" specified in SAC10.

D290   Full Truckload Allowance
D440   Groupage Discount
Use to indicate a discount applicable to a line item total quantity meeting or exceeding the threshold specified in SAC10 or a total line item amount meeting or exceeding the amount cited in SAC05 when SAC15 cites the word "ITEM".

D500   Handling
D530   Hazardous Cargo Charge
D660   Hook-up Charge
D820   Inside Delivery
D890   Installation and Training
D900   Installation
E930   One - Day Service
F560   Premium Transportation
F910   Quantity Discount
Use to indicate a step ladder discount applicable to the quantity range specified in SAC10/11. The discount specified for the quantity range containing the total order quantity is the discount to be applied to the order. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This is contrast to the C300 incremental discount that applies to that portion of the total order quantity within each increment.

G470   Restocking Charge
G600   Same-Day Service
G610   Saturday Delivery
G740   Service Charge
Use to indicate a basic charge for a service call. If the charge varies by distance, e.g., a set price within a 25 mile range, another price within a 50 mile range, etc. use SAC09/10/11 to provide that information.

G760   Set-up
G870   Shrink-Wrap Charge
H000   Special Allowance
H110   Special Packaging
H630   Tax - City Sales Tax (Only)
H670   Tax - Federal Excise Tax, FET, on Tires
H700   Tax - Local Tax
H730   Tax - Local Sales Tax
H750   Tax - Sales Tax (State and Local)
H780   Tax - Super Fund Excise Tax
I330   Two - Day Service
I380   Unloading (Labor Charges)
I530   Volume Discount
Use to indicate a discount applicable to a total order quantity meeting or exceeding the threshold specified in SAC10 or a total order amount meeting or exceeding the amount cited in SAC05 when SAC15 cites the word "ORDER".

I590   Warranties
Use to indicate the price for a warranty

ZZZZ   Mutually Defined
Use to indicate a training charge

Refer to 003050 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	**Agency Qualifier Code**	**X**	**ID 2/2**

Code identifying the agency assigning the code values

Not Used	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**

Agency maintained code identifying the service, promotion, allowance, or charge

	SAC05	610	**Amount**	**O**	**N2 1/15**

Monetary amount

Use to identify an amount to which the percentage cited in SAC07 (when SAC06 is code 1) or the dollar rate cited in SAC08 applies. If necessary, qualify the amount in SAC15 using the specified format. If a charge, allowance or discount is applicable to an amount range, multiple repetitions of this SAC segment must be transmitted. In this instance, the amount cited represents the lower end of the amount range.

	SAC06	378	**Allowance/ Charge Percent Qualifier**	**X**	**ID 1/1**

Code indicating on what basis allowance or charge percent is calculated

    1   Item List Cost

Use, in conjunction with SAC15 when the word "SPECIFIED" is cited, to indicate a percentage

> *applied to a specified amount cited in SAC05.*

	2	Item Net Cost

> *Use to indicate a percentage applied to the total order amount.*

	5	Base Price per Unit

> *Use to indicate a percentage applied to the Line Item unit price.*

	6	Base Price Amount

> *Use to indicate a percentage applied to the Line Item total amount.*

	Z	Mutually Defined

> *Use to indicate the tax percentages applicable to all of the items in the catalog.*

SAC07   332   Percent   X   R 1/6

Percent expressed as a percent

> *Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).*

SAC08   118   Rate   O   R 1/9

Rate expressed in the standard monetary denomination for the currency specified

> *1. Use to identify a dollar rate applicable to the charge, allowance or discount. The dollar rate may apply to a specified quantity or quantity range; or to a line item total amount/total order amount/specified amount.*
>
> *2. Use also to identify a tax monetary value applicable to all of the items in the catalog.*

SAC09   355   Unit or Basis for Measurement Code   X   ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

> *Use any code other than code ZZ.*

Refer to 003050 Data Element Dictionary for acceptable code values.

SAC10   380   Quantity   X   R 1/15

Numeric value of quantity

> *1. When SAC02 is code C300, use to identify the lower end of a quantity range that results in an incremental discount.*
>
> *2. When SAC02 is code D170, use to identify the "free" quantity.*
>
> *3. When SAC02 is code D440, use to identify the line item total quantity that results in a discount, if applicable.*
>
> *4. When SAC02 is code F910, use to identify the lower end of a*

quantity range that results in a step ladder discount.

5. When SAC02 is code G740, use to specify the minimum distance applicable to a service charge, if appropriate.

6. When SAC02 is code I530, use to identify the total order quantity that results in a discount, if applicable.

7. When SAC02 is any other code, use to identify the quantity to which the charge, allowance, or discount applies. In most instances this quantity will be 1, but if a greater quantity applies, cite that quantity.

	SAC11	380	Quantity	O	R 1/15

Numeric value of quantity

1. When SAC02 is code C300 or F910, use to identify the upper end of the quantity range associated with SAC10.

2. When SAC02 is code D170, use to identify the "buy" quantity, if applicable.

3. When SAC02 is code G740 and SAC10 is used, specify the maximum distance applicable to a service charge, if applicable.

	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2

Code indicating method of handling for an allowance or charge

CA   Calculate and Add to Invoice

Value of allowance or charge is to be calculated by recipient and added to invoice total

Use to indicate the taxes are additive to the unit prices if they are not included in the unit prices.

	SAC13	127	Reference Number	X	AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

If the discount, allowance, charge, or no charge service applies to a delivery zone, identify the zone in this data element. The delivery zones and locations within each zone are identified in the 1/N1/150 loop.

Not Used	SAC14	770	Option Number	O	AN 1/20

A unique number identifying available promotion or allowance options when more than one is offered

	SAC15	352	Description	O	AN 1/80

A free-form description to clarify the related data elements and their content

1. Use to provide text information related to information provided within this segment.

2. When it is necessary to qualify the amount cited in SAC05, use the following format:

a. To identify the amount as a line item total amount, cite the word "ITEM"

b. To identify the amount as a total order amount, cite the word "ORDER"

c. To identify the amount as a specified amount, cite the word, "SPECIFIED"

Segment:	**FOB** F.O.B. Related Instructions
Position:	140
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify transportation instructions relating to shipment
Syntax Notes:	1 If FOB03 is present, then FOB02 is required.
	2 If FOB04 is present, then FOB05 is required.
	3 If FOB07 is present, then FOB06 is required.
	4 If FOB08 is present, then FOB09 is required.
Semantic Notes:	1 FOB01 indicates which party will pay the carrier.
	2 FOB02 is the code specifying transportation responsibility location.
	3 FOB06 is the code specifying the title passage location.
	4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.
Comments:	
Notes:	*1. Use this 1/FOB/140 segment if the Shipment Method of Payment and the FOB point applies to all of the items in the catalog.*
	2. If the FOB point varies by delivery zone or destinations within a delivery zone, use the 1/N1/150 loop citing code DZ in N101, identify the delivery zone in N103/104 citing code ZN in N103 and identify the FOB point in N405/406.
	3. If the FOB point varies by item, use the 2/FOB/160 segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	FOB01	146	**Shipment Method of Payment**	M ID 2/2

Code identifying payment terms for transportation charges

BP   Paid by Buyer

     The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location)

     Use to indicate the buyer is to pay the transportation charges by issuance of a Government Bill of Lading (GBL).

PP   Prepaid (by Seller)

     Use to indicate that transportation charges are not included in the unit price but will be prepaid and added as a separate item on the invoice.

PS   Paid by Seller

     The seller agrees to the transportation payment term

<div style="text-align: right;">requiring the seller to pay transportation charges to a
specified location (origin or destination location)</div>

Use to indicate transportation charges are included in the unit price.

	FOB02	309	**Location Qualifier**	X	**ID 1/2**

Code identifying type of location

			DE	Destination (Shipping)	

Use in conjunction with FOB01 code PS.

			OR	Origin (Shipping Point)	

Use in conjunction with FOB01 code BP or PP.

			W	Worldwide Geographic Location Code	

Use in conjunction with FOB01 code PS to indicate the FOB point for deliveries within the continental United States is destination and the FOB point for deliveries outside the continental Unites States is origin.

			ZZ	Mutually Defined	

Use in conjunction with FOB01 code PS to indicate an Other FOB point that is neither at origin nor destination, e.g., a port of embarkation. When used, provide the address of the other location in the 1/N1/150 segment citing code KX in N101.

Not Used	FOB03	352	**Description**	O	**AN 1/80**

A free-form description to clarify the related data elements and their content

Not Used	FOB04	334	**Transportation Terms Qualifier Code**	O	**ID 2/2**

Code identifying the source of the transportation terms

Not Used	FOB05	335	**Transportation Terms Code**	X	**ID 3/3**

Code identifying the trade terms which apply to the shipment transportation responsibility

Not Used	FOB06	309	**Location Qualifier**	X	**ID 1/2**

Code identifying type of location

Not Used	FOB07	352	**Description**	O	**AN 1/80**

A free-form description to clarify the related data elements and their content

Not Used	FOB08	54	**Risk of Loss Qualifier**	O	**ID 2/2**

Code specifying where responsibility for risk of loss passes

Not Used	FOB09	352	**Description**	X	**AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:	**N1** Name		
Position:	150		
Loop:	N1 Optional (Must Use)		
Level:	Heading		
Usage:	Optional (Must Use)		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1	At least one of N102 or N103 is required.	
	2	If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
	2	N105 and N106 further define the type of entity in N101.	

Notes: *1. Use this 1/N1/150 loop to identify parties that apply to all items in the catalog. If the information varies by item, use the 2/N1/230 loop.*

2. Use also to associate entities with delivery zones, if applicable.

3. Whenever possible, identification and address information should be provided using code values contained in a combination of N101, N103, and N104. Use N102 and segments N2 through N4, as applicable, when address information cannot be provided using one of the codes listed in N103.

4. One N1 segment is REQUIRED citing code SE in N101.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N101	98	Entity Identifier Code	M	ID 2/2

Code identifying an organizational entity, a physical location, or an individual

40   Receiver

 Entity to accept transmission

Use to indicate the entity to receive the catalog.

56   Servicing Dealer

Use to indicate a dealer who services a product. This is the location to obtain service such as a repair.

CT   Country of Origin

1. Use to indicate the country of origin, as defined in the Buy American Act, when all items in this catalog are other than a United States domestic end product and the country of origin is the same for the items. If the country of origin differs by

item, use code CH in the 2/LIN/010 segment.

2. When used, cite code 38 in N103 and the two position ISO 3166 country code in N104.

DL   Dealer

Use to indicate a dealer or reseller of products.

DS   Distributor

Use to indicate the distributor of the item(s) contained in the catalog.

DZ   Delivery Zone

Area where the product was delivered

1. Use to indicate a geographic delivery area for which there is a set price. Specify the zone in N104 (e.g., 10, 11, 12, etc.) using code ZN in N103 and identify the states or countries that comprise the zone in N402 or N404. The zone number will be cited in CTP10 when specifying a price for delivery to this zone.

2. Multiple repetitions of this N1 loop may be necessary to identify all delivery zones and all locations within a delivery zone. When identifying all locations within a zone, cite the same zone designator in N104 for each repetition of this N1 loop.

3. If the FOB point varies by delivery zone or by locations within a delivery zone, identify the FOB point in the 1/N4/180 segment. If the FOB point is the same for all locations within a delivery zone, use one repetition of this N1 loop to identify the FOB point and additional repetitions to identify locations within the zone.

KX   Free on Board Point

Use to indicate the FOB point when it has to be described by a specific address rather than as a code value indicating either origin or destination. Use in conjunction with FOB02 code ZZ.

MF   Manufacturer of Goods

Use to indicate the manufacturer of the item(s) contained in the catalog.

PL   Party to Receive Purchase Order

Use to indicate the location to which an order is to be sent if different than the address of the selling party, dealer, or distributor.

		RI	Remit To		

Use to indicate a specific remit-to address when multiple remit-to addresses were provided as part of the trading partner registration process or a new remit-to address is to be used. Do not use when only a single remit-to address was provided as a part of the registration process.

		SE	Selling Party		

Use to indicate the selling party (i.e., the party originating the price sales catalog).

		SF	Ship From		

Use to indicate a location from which items will be shipped.

		SV	Service Performance Site		

When services are contracted for, this describes the organization for whom or location address at which those services will be performed

Use to indicate a location where a service is provided.

N102	**93**	**Name**	**X**	**AN 1/35**

Free-form name

N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

While the federal Electronic Data Interchange (EDI) program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases to new procurement actions.

	1	D-U-N-S Number, Dun & Bradstreet

Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.

	9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Use of the DUNS or DUNS +4 number is preferred over other codes to identify an entity.

	10	Department of Defense Activity Address Code (DODAAC)

Use to indicate either a Department of Defense or Civilian Agency Activity Address Code.

	21	Health Industry I.D. Number (HIN)
	33	Commercial and Government Entity (CAGE)
	38	Country Code

When used, cite the two position ISO 3166 country code in N104.

| | | ZN | Zone | | |

When N101 is code DZ, use to indicate a delivery zone.

| | **N104** | **67** | **Identification Code** | **X** | **AN 2/20** |

Code identifying a party or other code

When N103 is code ZN, cite one of the following::

a. A delivery zone designation, e.g., 01, 10, 1a, etc.
b. The word "CONUS" to specify all points within the continental United States that are not otherwise identified within a zone.
c. The word "WORLD" to specify all points outside the continental United States that are not otherwise identified within a zone.

| **Not Used** | **N105** | **706** | **Entity Relationship Code** | **O** | **ID 2/2** |

Code describing entity relationship

| **Not Used** | **N106** | **98** | **Entity Identifier Code** | **O** | **ID 2/2** |

Code identifying an organizational entity, a physical location, or an individual

Segment:	**N2** Additional Name Information
Position:	160
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify additional names or those longer than 35 characters in length
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**N201**	**93**	**Name**	**M**	**AN 1/35**
			Free-form name		
	N202	**93**	**Name**	**O**	**AN 1/35**
			Free-form name		

Segment:		**N3** Address Information			

Segment: **N3** Address Information

Position:	170
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**N301**	**166**	**Address Information**	**M**	**AN 1/35**
			Address information		
	N302	**166**	**Address Information**	**O**	**AN 1/35**
			Address information		

Segment:	**N4** Geographic Location
Position:	180
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the USA or Canada.
Notes:	*1. This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*
	2. When N101 is code DZ and N104 does not cite the words "CONUS" or "WORLD", this segment may be used to identify locations within a delivery zone and the FOB point if it varies by delivery zone or locations within a delivery zone.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
N401	19	City Name	O	AN 2/30
		Free-form text for city name		
N402	156	State or Province Code	O	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
N403	116	Postal Code	O	ID 3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	26	Country Code	O	ID 2/3
		Code identifying the country		
		Cite the position ISO 3166 country code.		
N405	309	Location Qualifier	X	ID 1/2
		Code identifying type of location		
		1. When N101 is code DZ and the 1/FOB/140 segment is not used to identify the FOB point, use to specify the FOB point for a delivery zone or for a location within a zone.		
		2. If the FOB point is the same for all locations within a delivery zone, one repetition of the N1 loop should be used to identify the FOB point.		
	DE	Destination (Shipping)		
	OA	Origin (After Loading on Equipment)		
		Use to indicate FOB Origin with transportation		

charges prepaid by the seller and added as a separate item to the invoice.

OR   Origin (Shipping Point)

Use to indicate FOB Origin with transportation charges paid by a Government Bill of Lading (GBL).

ZN   Zone Code

Qualifies a code that identifies a geographic area where transportation rates apply

When it is necessary to associate the entity identified in N101 with a delivery zone, use this code in conjunction with an appropriate N101 code (e.g., DL, DS, SV, etc.).

ZZ   Mutually Defined

Use to indicate an FOB point other than origin or destination. Identify the FOB point in N406.

N406   **310**   **Location Identifier**   **O**   **AN 1/30**

Code which identifies a specific location

1. When N405 is code ZZ, use to identify the location of the Other FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.

2. When N405 is code ZN, use to identify a delivery zone associated with the entity identified in N101. Identify the delivery zone using the same zone number or keyword specified in establishing the zone.

Segment:	**REF** Reference Numbers			
Position:	190			
Loop:	N1	Optional (Must Use)		
Level:	Heading			
Usage:	Optional			
Max Use:	12			
Purpose:	To specify identifying numbers.			
Syntax Notes:	1 At least one of REF02 or REF03 is required.			
Semantic Notes:				
Comments:				
Notes:	*Use, if applicable, to identify the personal identification number assigned to the submitting contractor by the agency receiving this transaction set.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Number Qualifier**	M ID 2/2
			Code qualifying the Reference Number.	
			4A Personal Identification Number (PIN)	
			A number that uniquely identifies an individual	
	REF02	127	**Reference Number**	X AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
Not Used	REF03	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment:	**PER** Administrative Communications Contact

Position: 200
Loop: N1   Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1. If either PER03 or PER04 is present, then the other is required.
2. If either PER05 or PER06 is present, then the other is required.
3. If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:
Notes: *This segment will be used when the point of contact is related to an entity identified in N101.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use **PER01**	**366**	**Contact Function Code**	**M** **ID 2/2**

Code identifying the major duty or responsibility of the person or group named

1A	Review/Repricing Contact

Use to indicate the party authorized to provide lower prices, e.g., when the maximum order is reached on Federal Supply Schedule (FSS) contracts.

AC	Administrative Contracting Officer

Use to indicate the originating party's Contracts Manager for Federal Supply Schedule (FSS) contracts.

CR	Customer Relations

Use to indicate a customer service contact.

EA	EDI Coordinator
OD	Order Department
SE	Service Organization

When N101 is code SV, use to indicate the communication numbers for a service location. Use of PER02 to identify an individual by name is optional.

TR	Technical Marketing Representative

Use to indicate a technical information contact.

PER02	**93**	**Name**	**O** **AN 1/35**

Free-form name

Use to identify the name of a point of contact. Last name followed by first name is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title.

| PER03 | 365 | **Communication Number Qualifier** | **X** | **ID 2/2** |

Code identifying the type of communication number

EM	Electronic Mail
FX	Facsimile
IT	International Telephone

Include the country code.

| TE | Telephone |

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

| PER04 | 364 | **Communication Number** | **X** | **AN 1/80** |

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters.

| PER05 | 365 | **Communication Number Qualifier** | **X** | **ID 2/2** |

Code identifying the type of communication number

Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cite a FAX number.

| EM | Electronic Mail |
| EX | Telephone Extension |

Use only if PER03 is used citing code TE.

| FX | Facsimile |
| IT | International Telephone |

Include the country code.

| TE | Telephone |

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

| PER06 | 364 | **Communication Number** | **X** | **AN 1/80** |

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters.

| PER07 | 365 | **Communication Number Qualifier** | **X** | **ID 2/2** |

Code identifying the type of communication number

Use to identify a third communications number for the party cited in

		EM	Electronic Mail	
		EX	Telephone Extension	
			Use only if PER05 is used citing code TE.	
		FX	Facsimile	
		IT	International Telephone	
			Include the country code.	
		TE	Telephone	
			Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.	

PER08	**364**	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters.

PER09	**443**	**Contact Inquiry Reference**	**O**	**AN 1/20**

Additional reference number or description to clarify a contact number

Use, if necessary, to provide the title of the party cited in PER02.

Segment:	**LIN** Item Identification	
Position:	010	
Loop:	LIN Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify basic item identification data	
Syntax Notes:	1	If either LIN04 or LIN05 is present, then the other is required.
	2	If either LIN06 or LIN07 is present, then the other is required.
	3	If either LIN08 or LIN09 is present, then the other is required.
	4	If either LIN10 or LIN11 is present, then the other is required.
	5	If either LIN12 or LIN13 is present, then the other is required.
	6	If either LIN14 or LIN15 is present, then the other is required.
	7	If either LIN16 or LIN17 is present, then the other is required.
	8	If either LIN18 or LIN19 is present, then the other is required.
	9	If either LIN20 or LIN21 is present, then the other is required.
	10	If either LIN22 or LIN23 is present, then the other is required.
	11	If either LIN24 or LIN25 is present, then the other is required.
	12	If either LIN26 or LIN27 is present, then the other is required.
	13	If either LIN28 or LIN29 is present, then the other is required.
	14	If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	1	LIN01 is the line item identification
Comments:	1	See the Data Dictionary for a complete list of ID's.
	2	LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes:

1. Use this segment to identify all the items in the catalog that can be purchased, including items provided with a system or kit that can be purchased separately.

2. When BCT10 is code 42, use also to identify ALL promotional items.   Specify the prices, discounts, restrictions, promotional periods and other necessary information in the applicable segments within this LIN loop.

3. This segment is also used to identify a system, kit, etc., that is comprised of multiple items. When used in this manner, identify the items that comprise the system or kit in the 2/SLN/020 segment.   If the item can be purchased separately, it MUST also be identified in this LIN segment.

4. Promotional items associated with a system, kit, or other items in this catalog MUST be identified in this segment; not in the 2/SLN/020 segment. In this instance, use of the 2/REF/040 segment is REQUIRED citing code 2S in REF01 and the number from LIN01 of the associated system, kit or item in REF02.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes

Rec   **LIN01**   **350**   **Assigned Identification**   **O**   **AN 1/11**

Alphanumeric characters assigned for differentiation within a transaction set

Use of this data element is RECOMMENDED to specify a catalog number or equivalent identifier to differentiate among items in the catalog, e.g., 1, 001, 1001, etc. This identifier is essential to associate specific items or services in the catalog with other items.

Must Use   **LIN02**   **235**   **Product/Service ID Qualifier**   **M**   **ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

1. Data elements 235 and 234 are used in 15 pairs in this segment. Use as many pairs as necessary to identify the item. When working with an identifying pair of data elements, any applicable code can be used with data element 235.

2. Use any code to describe the item. The following is a preferred code list.

AK   Refined Product Code
CH   Country of Origin
Use to indicate the country of origin, as defined in the Buy American Act, when the item is other than a United States domestic end product. When used, cite the 2 position ISO 3166 country code in the following DE 234.

CG   Commodity Grouping
Use to indicate a commodity code, the 2 position Federal Supply Group code.

CL   Color
DP   Discontinued Part Number
Use to indicate an item that has been discontinued and replaced by the item identified in this LIN loop.

EN   European Article Number (EAN)(2-5-5-1)
F7   End-Item Description.
Use to indicate the end item to which the item applies.

F8   Next Higher Used Assembly
Use to indicate the next higher assembly to which the item applies.

FS   National Stock Number
The NSN shall be transmitted without dashes.

FT   Federal Supply Classification
Use to indicate the 4 position Federal Supply Classification code or

Product Service code.

HI   HIBC (Health Care Industry Bar Code)
KM   Shelf-Life Code
KN   Shelf-Life Action Code
MF   Manufacturer
When used, cite the DUNS number of the manufacturer in the
following 234 data element.

MG   Manufacturer's Part Number
When used, a second 235/234 pair must be used citing code MF, ZB, or
ZZ.

MN   Model Number
N1   National Drug Code in 4-4-2 Format
N2   National Drug Code in 5-3-2 Format
N3   National Drug Code in 5-4-1 Format
N4   National Drug Code in 5-4-2 Format
ND   National Drug Code (NDC).
PA   Pattern Number
PD   Part Number Description
Use to indicate the noun nomenclature of the item.

PI   Purchaser's Item Code
Use to indicate a GSA Special Item Number
RR   Replacement Product Number
Use to indicate an item number in this catalog that will replace the item
identified in this LIN loop when stock is exhausted.

SR   Substitute Product Number
Use to indicate an item number in this catalog that is a suggested
substitute for the item identified in this LIN loop.

SV   Service Rendered
Use to indicate (in clear text) a service.

SN   Serial Number
SS   Superseded Part Number
Use to indicate an item that is still available but has been superseded by
the item identified in this LIN loop.

SZ   Vendor Alphanumeric Size Code (NRMA)
Use to indicate the size of the item. (No X12 Code Source is associated
with this code). Cite a readily understood size applicable to the item,
e.g., size for clothing, shoes, rings, etc.

UA   U.P.C./EAN Case Code (2-5-5)
UI   U.P.C. Consumer Package Code (1-5-5)

UP   U.P.C. Consumer Package Code (1-5-5-1)
VA   Vendor's Style Number
VC   Vendor's (Seller's) Catalog Number
Use to indicate the number of the item within the catalog.

VP   Vendor's (Seller's) Part Number
Use to indicate a part number assigned by a contractor other than the
manufacturer.

ZB   Commercial and Government Entity (CAGE) Code
Use to indicate a manufacturer who can be identified by a CAGE code.

ZZ   Mutually Defined
Use to indicate a clear text name of a manufacturer

Refer to 003050 Data Element Dictionary for acceptable code values.

Must Use	LIN03	234	**Product/Service ID**	M	AN 1/40	

Identifying number for a product or service

LIN04	235	**Product/Service ID Qualifier**	X	ID 2/2	

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN05	234	**Product/Service ID**	X	AN 1/40	

Identifying number for a product or service

LIN06	235	**Product/Service ID Qualifier**	X	ID 2/2	

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN07	234	**Product/Service ID**	X	AN 1/40	

Identifying number for a product or service

LIN08	235	**Product/Service ID Qualifier**	X	ID 2/2	

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN09	234	**Product/Service ID**	X	AN 1/40	

Identifying number for a product or service

LIN10	235	**Product/Service ID Qualifier**	X	ID 2/2	

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN11	234	**Product/Service ID**	X	AN 1/40	

Identifying number for a product or service

LIN12	235	**Product/Service ID Qualifier**	X	ID 2/2	

Code identifying the type/source of the descriptive number used in

Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN13	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

LIN14	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN15	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

LIN16	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN17	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

LIN18	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN19	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

LIN20	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN21	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

LIN22	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN23	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

LIN24	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

LIN25	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

LIN26	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

| **LIN27** | **234** | **Product/Service ID** | **X** | **AN 1/40** |

Identifying number for a product or service

| **LIN28** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

| **LIN29** | **234** | **Product/Service ID** | **X** | **AN 1/40** |

Identifying number for a product or service

| **LIN30** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

| **LIN31** | **234** | **Product/Service ID** | **X** | **AN 1/40** |

Identifying number for a product or service

	Segment:	**G53** Maintenance Type
	Position:	015
	Loop:	LIN Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To identify the specific type of item maintenance
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	*When BCT10 is code 02, 03, or 04, use to identify the action applicable to the item identified in the same LIN loop.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	G5301	875	**Maintenance Type Code**	M ID 3/3

Code identifying the specific type of item maintenance

001   Change

Use only when the codes 002 or 021 do not apply. When used, the entire LIN loop must be transmitted containing ALL information applicable to the item identified in LIN01.

002   Delete

Use only when an item identified in the same LIN loop is being deleted from the catalog.

021   Addition

Use only when the item identified in the same LIN loop is being added to the catalog.

Segment:	**SLN** Subline Item Detail
Position:	020
Loop:	LIN Optional
Level:	Detail
Usage:	Optional
Max Use:	100
Purpose:	To specify product subline detail item data

Syntax Notes:	1	If SLN07 is present, then SLN06 is required.
	2	If SLN08 is present, then SLN06 is required.
	3	If either SLN09 or SLN10 is present, then the other is required.
	4	If either SLN11 or SLN12 is present, then the other is required.
	5	If either SLN13 or SLN14 is present, then the other is required.
	6	If either SLN15 or SLN16 is present, then the other is required.
	7	If either SLN17 or SLN18 is present, then the other is required.
	8	If either SLN19 or SLN20 is present, then the other is required.
	9	If either SLN21 or SLN22 is present, then the other is required.
	10	If either SLN23 or SLN24 is present, then the other is required.
	11	If either SLN25 or SLN26 is present, then the other is required.
	12	If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	1	SLN01 is the identifying number for the subline item.
	2	SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3	SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4	SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	See the Data Dictionary for a complete list of ID's.
	2	SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	3	SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes:

1. Use this 2/SLN/020 segment only to identify items that:

a. Are provided with a system or kit (SLN03 code I)

b. Can be added to or deleted from a kit or system (SLN03 is code A or SLN08 is code D)

c. Items that can be substituted for other items provided with a system or kit (SLN03 code S)

d. Items that can be selected as "free goods" when a system or kit is purchased (SLN03 code O)

2. DO NOT USE this segment to identify promotional items associated with a system, kit or another catalog item. Use the 2/LIN/010 segment and the 2/CTP/170 loop (citing code PRP in CTP02) to identify these promotional items.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SLN01	350	Assigned Identification	M AN 1/11

Alphanumeric characters assigned for differentiation within a transaction set

Use of a catalog number is RECOMMENDED to identify an item in this SLN segment. If the item identified in this SLN segment can be purchased separately, the catalog number should be the same as the number cited in the 2/LIN/010 segment. For those items for which no catalog number applies, cite a sequential number starting with the number 1.

	Ref. Des.	Data Element	Name	Attributes
Not Used	SLN02	350	Assigned Identification	O AN 1/11

Alphanumeric characters assigned for differentiation within a transaction set

	Ref. Des.	Data Element	Name	Attributes
Must Use	SLN03	662	Relationship Code	M ID 1/1

Code indicating the relationship between entities

A   Add

Use to indicate an item that can be added to a system or kit for an additional amount, e.g., a modem. Identify the additive amount in SLN06.

I   Included

Use to indicate the item is provided with the system or kit at no additional cost.

O   Information Only

Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Use to indicate that the item in this SLN segment is one of multiple items that can be chosen as options at no additional cost when the item identified in LIN02 of the same LIN loop is purchased. Cite the quantity that can be chosen in SLN04.

S   Substituted

Use to indicate an item that can be substituted for one of the items provided with the system or kit. If there is an incremental price increase or decrease in the price of the system or kit applicable to the substitute, identify the increase or decrease in SLN06.

	Ref. Des.	Data Element	Name	Attributes
Must Use	SLN04	380	Quantity	M R 1/15

Numeric value of quantity

1. When SLN03 is code A or S, cite the quantity that can be added or substituted.

2. When SLN03 is code I, use to identify the quantity of the item that is provided with the system or kit. For example, if a sound system includes 4 speakers, cite the number 4.

3. When SLN03 is code O, use to identify the quantity of items that can be chosen as options at no additional price. For example, if 8 items have code O cited in SLN03, and the number 5 is cited in this data element, that indicates 5 items from the identified 8 can be chosen.

Must Use	SLN05	355	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Any code, other than code ZZ, may be used.

Refer to 003050 Data Element Dictionary for acceptable code values.

	SLN06	212	**Unit Price**	**X**	**R 1/17**

Price per unit of product, service, commodity, etc.

1. When SLN03 is code A, cite the full price of the item that can be added.

2. When SLN08 is code D, cite the credit amount if the item is deleted. When code D is used, the value cited is a reduction to the base price. Do not transmit a negative sign.

3. When SLN03 is code S, cite the incremental price increase or decrease, if applicable. For an incremental price decrease, transmit a negative sign.

Not Used	SLN07	639	**Basis of Unit Price Code**	**O**	**ID 2/2**

Code identifying the type of unit price for an item

	SLN08	662	**Relationship Code**	**O**	**ID 1/1**

Code indicating the relationship between entities

    D   Delete

When SLN03 is code I use to indicate that the item can be deleted for a credit. Specify the credit amount in SLN06.

	SLN09	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

1. Data elements 235 and 234 are used in 10 pairs in this segment. Use as many pairs as necessary to identify the item. When working with an identifying pair of data elements, any applicable code can be used with data element 235.

2. Use any code to describe the item. The following is a preferred code list.

AK   Refined Product Code

BL   Brand/Label
Use to indicate the product's brand or model name, e.g., Trinitron is the
Sony brand name for a TV or computer monitor.

CH   Country of Origin
Use to indicate the country of origin, as defined in the Buy American
Act, when the item is other than a United States domestic end product.
When used, cite the 2 position ISO 3166 country code in the following
DE 234.

CG   Commodity Grouping
Use to indicate a commodity code, e.g., the 2 position Federal Supply
Group code.

CL   Color

CN   Commodity Name
Use to indicate a class or category of products or services, e.g., furniture,
hand tools, monitors, accessories, painting, landscaping, etc.

DP   Discontinued Part Number
Use to indicate an item that has been discontinued and replaced by the
item identified in this LIN loop.

EN   European Article Number (EAN)(2-5-5-1)

F7   End-Item Description.
Use to indicate the end item to which the item applies.

F8   Next Higher Used Assembly
Use to indicate the next higher assembly to which the item applies.

FS   National Stock Number
The NSN shall be transmitted without dashes.

FT   Federal Supply Classification
Use to indicate the 4 position Federal Supply Classification code or
Product Service code.

HI   HIBC (Health Care Industry Bar Code)

KM   Shelf-Life Code

KN   Shelf-Life Action Code

MF   Manufacturer
When used, cite the DUNS number of the manufacturer in the
following 234 data element.

MG   Manufacturer's Part Number
When used, a second 235/234 pair must be used citing code MF, ZB, or

ZZ.

MN   Model Number
N1   National Drug Code in 4-4-2 Format
N2   National Drug Code in 5-3-2 Format
N3   National Drug Code in 5-4-1 Format
N4   National Drug Code in 5-4-2 Format
ND   National Drug Code (NDC).
PA   Pattern Number
PD   Part Number Description
Use to indicate the noun nomenclature of the item.

PI   Purchaser's Item Code
Use to indicate a GSA Special Item Number

RR   Replacement Product Number
Use to indicate an item number in this catalog that will replace the item identified in this LIN loop when stock is exhausted.

SR   Substitute Product Number
Use to indicate an item number in this catalog that is a suggested substitute for the item identified in this LIN loop.

SV   Service Rendered
Use to indicate (in clear text) a service.

SN   Serial Number
SS   Superseded Part Number
Use to indicate an item that is still available but has been superseded by the item identified in this LIN loop.

SZ   Vendor Alphanumeric Size Code (NRMA)
Use to indicate the size of the item.

UA   U.P.C./EAN Case Code (2-5-5)
UI   U.P.C. Consumer Package Code (1-5-5)
UP   U.P.C. Consumer Package Code (1-5-5-1)
VA   Vendor's Style Number
VC   Vendor's (Seller's) Catalog Number
Use to indicate the number of the item within the catalog.

VP   Vendor's (Seller's) Part Number
Use to indicate a part number assigned by a contractor other than the manufacturer.

ZB   Commercial and Government Entity (CAGE) Code
Use to indicate a manufacturer who can be identified by a CAGE code.

		ZZ Mutually Defined *Use to indicate a clear text name of a manufacturer*		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
SLN10	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
SLN11	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
SLN12	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
SLN13	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
SLN14	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
SLN15	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
SLN16	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
SLN17	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
SLN18	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
SLN19	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
SLN20	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
SLN21	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
SLN22	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		

| **SLN23** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

| **SLN24** | **234** | **Product/Service ID** | **X** | **AN 1/40** |

Identifying number for a product or service

| **SLN25** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

| **SLN26** | **234** | **Product/Service ID** | **X** | **AN 1/40** |

Identifying number for a product or service

| **SLN27** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003050 Data Element Dictionary for acceptable code values.

| **SLN28** | **234** | **Product/Service ID** | **X** | **AN 1/40** |

Identifying number for a product or service

	Segment:	**DTM** Date/Time Reference

Position: 030
Loop: LIN   Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1   At least one of DTM02 DTM03 or DTM06 is required.
                2   If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *Use this 2/DTM/030 segment only when the dates apply to the cited item in the catalog. If the dates apply to the all of the items, use the 1/DTM/070 segment. If the dates apply to pricing information, use the 2/DTM/180 segment.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID 3/3

Code specifying type of date or time, or both date and time

     007   Effective

When the G5301 is used, indicate the date the action is effective.

	DTM02	373	**Date**	X	DT 6/6

Date (YYMMDD)

The actual effective, expiration start, or stop date of the item qualified.

Not Used	DTM03	337	**Time**	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	DTM04	623	**Time Code**	O	ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	DTM05	624	**Century**	O	N0 2/2

The first two characters in the designation of the year (CCYY)

Not Used	DTM06	1250	**Date Time Period Format Qualifier**	X	ID 2/3

Code indicating the date format, time format, or date and time format

Not Used	DTM07	1251	**Date Time Period**	X	AN 1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**REF** Reference Numbers		
Position:	040		
Loop:	LIN Optional		
Level:	Detail		
Usage:	Optional		
Max Use:	12		
Purpose:	To specify identifying numbers.		
Syntax Notes:	1 At least one of REF02 or REF03 is required.		
Semantic Notes:			
Comments:			
Notes:	*Use this segment to identify a reference number applicable to the cited item in the same LIN segment.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Number Qualifier**	M ID 2/2

Code qualifying the Reference Number.

2S	Catalog
	Use to indicate an associated catalog item, i.e., a service or item that is applicable to another item or items. Cite the number from LIN01 of the associated catalog item in REF02.
GC	Government Contract Number
	Use when the item is contained on an existing Government contract.
ME	Message Address or ID
	Use to indicate the World Wide Web Uniform Resource Locator (URL) where the item may be found. When used, cite the address in REF03.
PD	Promotion/Deal Number
	Use to indicate a unique promotion or deal number assigned by the originator of the transaction set that is applicable to the item cited in the same LIN loop.
QX	Old Part Number
	Use to indicate the manufacturer's part number of a discontinued item for which the service identified in the LIN segment is still available. Cite the part number in REF02 and identify the manufacturer in REF03.
TN	Transaction Reference Number
	1. Use to indicate the unique reference number of a transaction set that is transmitting images of the

W6   Federal Supply Schedule Number

Identifies an item with a two-digit group number, two-digit part number, and one-character section letter

REF02   **127**   **Reference Number**   **X   AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

REF03   **352**   **Description**   **X   AN 1/80**

A free-form description to clarify the related data elements and their content

| | | | **Segment:** | **CTB** Restrictions/ Conditions |

Segment: **CTB** Restrictions/ Conditions

Position: 060
Loop: LIN   Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To specify restrictions/conditions (such as shipping, ordering)
Syntax Notes: 1   At least one of CTB02 CTB04 or CTB06 is required.
              2   If either CTB03 or CTB04 is present, then the other is required.
              3   If either CTB05 or CTB06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *Use this 2/CTB/060 segment when the restriction or condition applies to the item cited in LIN01.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	CTB01	688	**Restrictions/Conditions Qualifier**		**M** **ID 2/2**

Code identifying the type of restriction/condition

     DW   Direct and Wholesaler

                       Use only if the selling party will not accept orders from state and local governments. When used, identify in CTB02 from whom the selling party will accept orders.

     NR   Nonreturnable

                       Use to indicate a non-returnable quantity and/or monetary amount.

     OR   Ordering

                       Use to indicate a minimum or maximum order quantity and/or monetary amount.

     SR   Shipping

                       Use to indicate a minimum or maximum shipment quantity and/or monetary amount.

	CTB02	352	**Description**		**X** **AN 1/80**

A free-form description to clarify the related data elements and their content

Use for a free-form text description of a restriction or condition applying to either a quantity or a dollar amount of the item.

	CTB03	673	**Quantity Qualifier**		**X** **ID 2/2**

Code specifying the type of quantity

     57   Minimum Order Quantity

     67   Minimum Ship Quantity

	69	Incremental Order Quantity		

1. Use to indicate the increment, above the minimum quantity, for which additional quantities will be accepted. For example, the minimum quantity may be 50 but quantities above 50 must be in increments of 25.

2. If no minimum quantity is stated (code 57), the minimum quantity will default to the incremental quantity (when code 69 is cited).

	70	Maximum Order Quantity		
	MQ	Maximum Ship Quantity		
CTB04	**380**	**Quantity**	**X**	**R 1/15**

Numeric value of quantity

CTB05	**522**	**Amount Qualifier Code**	**X**	**ID 1/2**

Code to qualify amount

	KQ	Incremental Order Amount		

Use to indicate the increment, above the minimum amount, in which orders for this item will be accepted. For example, the minimum order amount may be $100 but orders above $100 must be in increments of $50.

	MA	Maximum Amount		
	MO	Minimum Order Value		

Minimum value of order allowed

Use code "MO" to represent the minimum order amount.

CTB06	**610**	**Amount**	**X**	**N2 1/15**

Monetary amount

	Segment:	**PID** Product/Item Description

Segment: **PID** Product/Item Description

Position: 070

Loop: LIN   Optional

Level: Detail

Usage: Optional

Max Use: 200

Purpose: To describe a product or process in coded or free-form format

Syntax Notes:
1. If PID04 is present, then PID03 is required.
2. At least one of PID04 or PID05 is required.
3. If PID07 is present, then PID03 is required.
4. If PID08 is present, then PID03 is required.

Semantic Notes:
1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A ``Y'' indicates that the specified attribute applies to this item. A ``N'' indicates it does not apply. Any other value is indeterminate.

Comments:
1. If PID01 = ``F'', then PID05 is used. If PID01 = ``S'', then PID04 is used. If PID01 = ``X'', then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Notes:
1. Use to describe a product or service in a coded format, in free form text, or in both a coded format and free form text.

2. Use also to provide information related to the product or service, e.g., warranty conditions, shipping information, material condition, etc.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PID01	349	**Item Description Type**	M ID 1/1

Code indicating the format of a description

    F   Free-form

              Use only when a free-form text description will be carried in PID05.

    S   Structured (From Industry Code List)

              Use when a code from an industry code list will be qualified and carried in PID03/04.

    X   Semi-structured (Code and Text)

              Use when a code and a free-form text description will be carried in the segment.

| | PID02 | 750 | **Product/Process Characteristic Code** | O   ID 2/3 |

Code identifying the general class of a product or process characteristic

Any code may be used.

08   Product
When PID03 is code GS, use to indicate that the value cited in PID04 is
the Federal Supply Schedule (FSS) Product Code (Pcode).

12   Type/and/or Process
When PID03 is code GS, use to indicate that the value cited in PID04 is
a code assigned by GSA to indicate special properties of the item, e.g.,
environmental features such as Low VOC, Recyclable, etc.

93   Shipping Unit Component
Use to indicate the item comes in a reusable shipping container.
Identify the type of container in PID05 using either text or an applicable
number, e.g., an NSN.

MAC   Material Classification
Use to indicate the item is other than new/unused. When used, cite the
appropriate code in PID04 to indicate the material classification

WD   Warranty Description
Use to indicate warranty conditions. Specify the general conditions in
PID05, e.g., factory warranty, shop warranty, etc. Use the 2/MEA/080
segment to identify the length of the warranty

Refer to 003050 Data Element Dictionary for acceptable code values.

PID03	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**

Code identifying the agency assigning the code values

1. Use any code, other than code ZZ.

2. When PID02 is code MAC, cite code AS

Refer to 003050 Data Element Dictionary for acceptable code values.

PID04	**751**	**Product Description Code**	**X**	**AN 1/12**

A code from an industry code list which provides specific data about a
product characteristic

1. An actual code from an agency code list when the agency is specified
in PID03.

2. When PID02 is code MAC, cite the material classification of the item
using the following: cite the letter R for reconditioned, cite the letter M
for modified, or cite the letter U for used.

PID05	**352**	**Description**	**X**	**AN 1/80**

A free-form description to clarify the related data elements and their
content

1. Use to provide free form text information applicable to the item cited
in the same LIN loop.

2. When PID02 is code 93, identify the type of reusable container using either text or an applicable number, e.g., an NSN.

Not Used	PID06	752	**Surface/Layer/Position Code**	O	**ID 2/2**

Code indicating the product surface, layer or position that is being described

Not Used	PID07	822	**Source Subqualifier**	O	**AN 1/15**

A reference that indicates the table or text maintained by the Source Qualifier

Not Used	PID08	1073	**Yes/No Condition or Response Code**	O	**ID 1/1**

Code indicating a Yes or No condition or response

Segment:	# MEA Measurements
Position:	080
Loop:	LIN Optional
Level:	Detail
Usage:	Optional
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

Syntax Notes:	**1**	At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2	If MEA05 is present, then MEA04 is required.
	3	If MEA06 is present, then MEA04 is required.
	4	If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	5	Only one of MEA08 or MEA03 may be present.
Semantic Notes:	**1**	MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	**1**	When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:		*1. Use this segment to identify measurements applicable to the item identified in the LIN segment.*
		2. Use also to identify the length of a warranty period.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MEA01	**737**	**Measurement Reference ID Code**	**O ID 2/2**

Code identifying the broad category to which a measurement applies

Use any code.

CT   Counts
Use to indicate variations in quantity, when expressed as a discrete quantity, that can be expected when orders are delivered. Specify the quantity under and/or over in MEA05/06.

DE   Defects
Use to indicate a warranty period.

Refer to 003050 Data Element Dictionary for acceptable code values.

MEA02	**738**	**Measurement Qualifier**	**O ID 1/3**

Code identifying a specific product or process characteristic to which a measurement applies

Use any code other than code ZZZ.

PO   Percent of Order (-,+)
Use to indicate variations in quantity, when expressed as a percent of the quantity ordered, that can be expected when orders are delivered.

Refer to 003050 Data Element Dictionary for acceptable code values.

	MEA03	739	**Measurement Value**		**X**	**R 1/20**

The value of the measurement

	MEA04	C001	**Composite Unit of Measure**		**X**	

To identify a composite unit of measure (See Figures Appendix for examples of use)

Must Use	C00101	355	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to 003050 Data Element Dictionary for acceptable code values.

	C00102	1018	**Exponent**		**O**	**R 1/15**

Power to which a unit is raised

	C00103	649	**Multiplier**		**O**	**R 1/10**

Value to be used as a multiplier to obtain a new value

	C00104	355	**Unit or Basis for Measurement Code**		**O**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to 003050 Data Element Dictionary for acceptable code values.

	C00105	1018	**Exponent**		**O**	**R 1/15**

Power to which a unit is raised

	C00106	649	**Multiplier**		**O**	**R 1/10**

Value to be used as a multiplier to obtain a new value

Not Used	C00107	355	**Unit or Basis for Measurement Code**		**O**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00108	1018	**Exponent**		**O**	**R 1/15**

Power to which a unit is raised

Not Used	C00109	649	**Multiplier**		**O**	**R 1/10**

Value to be used as a multiplier to obtain a new value

| Not Used | C00110 | 355 | **Unit or Basis for Measurement Code** | **O** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

| Not Used | C00111 | 1018 | **Exponent** | **O** | **R 1/15** |

Power to which a unit is raised

| Not Used | C00112 | 649 | **Multiplier** | **O** | **R 1/10** |

Value to be used as a multiplier to obtain a new value

| Not Used | C00113 | 355 | **Unit or Basis for Measurement Code** | **O** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

| Not Used | C00114 | 1018 | **Exponent** | **O** | **R 1/15** |

Power to which a unit is raised

| Not Used | C00115 | 649 | **Multiplier** | **O** | **R 1/10** |

Value to be used as a multiplier to obtain a new value

| | MEA05 | 740 | **Range Minimum** | **X** | **R 1/20** |

The value specifying the minimum of the measurement range

1. Use to indicate a minimum measurement, e.g., a minimum tolerance.

2. When MEA01 is code CT, or MEA02 is code PO, use to specify the variation in quantity under.

| | MEA06 | 741 | **Range Maximum** | **X** | **R 1/20** |

The value specifying the maximum of the measurement range

1. Use to indicate a maximum measurement, e.g., a maximum tolerance.

2. When MEA01 is code CT, or MEA02 is code PO, use to specify the variation in quantity over.

| Not Used | MEA07 | 935 | **Measurement Significance Code** | **O** | **ID 2/2** |

Code used to benchmark, qualify or further define a measurement value

| Not Used | MEA08 | 936 | **Measurement Attribute Code** | **X** | **ID 2/2** |

Code used to express an attribute response when a numeric measurement value cannot be determined

| Not Used | MEA09 | 752 | **Surface/Layer/Position Code** | **O** | **ID 2/2** |

Code indicating the product surface, layer or position that is being described

| Not Used | MEA10 | 1373 | **Measurement Method or Device** | **O** | **ID 2/4** |

The method or device used to record the measurement

Segment:	**PO4** Item Physical Details	
Position:	100	
Loop:	LIN Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item	
Syntax Notes:	1	If either PO402 or PO403 is present, then the other is required.
	2	If PO405 is present, then PO406 is required.
	3	If either PO406 or PO407 is present, then the other is required.
	4	If either PO408 or PO409 is present, then the other is required.
	5	If PO410 is present, then PO413 is required.
	6	If PO411 is present, then PO413 is required.
	7	If PO412 is present, then PO413 is required.
	8	If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
Semantic Notes:		
Comments:	1	PO403 - The "Unit of Measure Code" (Element #355) in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. Example: If the carton contains 24 12-Ounce packages, it would be described as follows: Element 356 = 24; Element 357 = 12; Element 355 = OZ.
	2	PO413 defines the unit of measure for PO410, PO411, and PO412.

Notes: *1. This segment can be used to specify the weight, cube, or dimensions of the unit or intermediate pack; or the unit pack quantity or intermediate container quantity applicable to the item identified in LIN01. To specify the unit pack quantity , use PO401, and PO404 (code UNT). If there are 50 pairs in a unit container, PO401 would cite 50, and PO404 would cite code UNT.*

2. If it is necessary to specify not only the quantity of items in a unit container, but also the size and unit of measure of those items, use PO401, PO402, PO403 and PO404. In this instance, if there are 24, 12 ounce bottles in the unit container, PO401 would cite 24, PO402 would cite 12, PO403 would cite code OZ and PO404 would cite code UNT. In either of these examples, the number of unit containers in an intermediate container would be carried in PO414. If only the quantity per intermediate container is required, use code INT in PO404 and cite the quantity in PO414.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PO401	**356**	**Pack**	**O**	**N0 1/6**
		Number of inner pack units per outer pack unit		
		Use to identify the unit pack quantity.		
PO402	**357**	**Size**	**X**	**R 1/8**
		Size of supplier units in pack		

Use only to identify the size of the individual items within a unit container.

| PO403 | 355 | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ..

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 003050 Data Element Dictionary for acceptable code values.

| PO404 | 103 | **Packaging Code** | **O** | **AN 3/5** |

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material

Use any code from part 1 or 2 of this data element. The following is a preferred Part 1 code and should be used as indicated by the note:

UNT   Unit
Use to indicate a unit container.

Refer to 003050 Data Element Dictionary for acceptable code values.

| PO405 | 187 | **Weight Qualifier** | **O** | **ID 1/2** |

Code defining the type of weight

Use any code, other than code ZZ.

Refer to 003050 Data Element Dictionary for acceptable code values.

| PO406 | 384 | **Gross Weight per Pack** | **X** | **R 1/9** |

Numeric value of gross weight per pack

Use to specify the weight of a container. The weight shall be provided to 1 decimal point.

| PO407 | 355 | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code, other than code ZZ.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 003050 Data Element Dictionary for acceptable code values.

| PO408 | 385 | **Gross Volume per Pack** | **X** | **R 1/9** |

Numeric value of gross volume per pack

Use to specify the cube of a container. The cube shall be provided to 3 decimal places.

| PO409 | 355 | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code, other than code ZZ.

Refer to 003050 Data Element Dictionary for acceptable code values.

PO410	**82**	**Length**	**X**	**R 1/8**

Largest horizontal dimension of an object measured when the object is in the upright position

PO411	**189**	**Width**	**X**	**R 1/8**

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

PO412	**65**	**Height**	**X**	**R 1/8**

Vertical dimension of an object measured when the object is in the upright position

Use to specify the depth of the container.

PO413	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code, other than code ZZ.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 003050 Data Element Dictionary for acceptable code values.

PO414	**810**	**Inner Pack**	**O**	**N0 1/6**

Number of units in each selling pack

Use to specify the quantity of unit containers in an intermediate container.

Segment:	**TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position:	110
Loop:	LIN Optional
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify transportation special handling requirements, or hazardous materials information, or both
Syntax Notes:	1 At least one of TD401 TD402 or TD404 is required.
	2 If TD402 is present, then TD403 is required.
Semantic Notes:	
Comments:	
Notes:	*Use this segment to provide hazardous material information or special handling requirements of the item.*

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
TD401	**152**	**Special Handling Code**	**X**	**ID 2/3**

Code specifying special transportation handling instructions

DA	Dangerous
FL	Flammable
HM	Endorsed as Hazardous Material
RM	Radioactive Material

TD402	**208**	**Hazardous Material Code Qualifier**	**X**	**ID 1/1**

Code which qualifies the Hazardous Material Class Code (209)

Use any code.

Refer to 003050 Data Element Dictionary for acceptable code values.

TD403	**209**	**Hazardous Material Class Code**	**X**	**AN 2/4**

Code specifying the kind of hazard for a material

TD404	**352**	**Description**	**X**	**AN 1/80**

A free-form description to clarify the related data elements and their content

A free-form text description of the cited item.

Segment:	**LDT** Lead Time
Position:	140
Loop:	LIN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify lead time for availability of products and services
Syntax Notes:	
Semantic Notes:	1 LDT04 is the effective date of lead time information.
Comments:	1 LDT02 is the quantity of unit of time periods.
Notes:	*Use this 2/LDT/140 segment to identify a date when it is expressed as a set time period from event.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	LDT01	345	**Lead Time Code**	M	ID 2/2
			Code indicating the time range		
			AE	From date of PO receipt to shipment	
			AF	From date of PO receipt to delivery	
			AX	From Date of Award to Date of Completion	
				Use only for services.	
			AY	From Date of Award to Date of Delivery	
Must Use	LDT02	380	**Quantity**	M	R 1/15
			Numeric value of quantity		
Must Use	LDT03	344	**Unit of Time Period or Interval**	M	ID 2/2
			Code indicating the time period or interval		
			DA	Calendar Days	
			DW	Work Days	
			MO	Month	
			WK	Weeks	
Not Used	LDT04	373	**Date**	O	DT 6/6
			Date (YYMMDD)		

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information	
Position:	150	
Loop:	LIN Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	25	
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge	
Syntax Notes:	1	At least one of SAC02 or SAC03 is required.
	2	If either SAC03 or SAC04 is present, then the other is required.
	3	If either SAC06 or SAC07 is present, then the other is required.
	4	If either SAC09 or SAC10 is present, then the other is required.
	5	If SAC11 is present, then SAC10 is required.
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7	If SAC14 is present, then SAC13 is required.
Semantic Notes:	1	If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2	SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3	SAC08 is the allowance or charge rate per unit.
	4	SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
Comments:	1	SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
	2	In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes:	*1.*	*Use this segment to identify charges, allowances, no charge services and discounts (including "free goods") that apply to the item identified in the LIN segment. The charge, allowance or discount can be either a dollar rate or a percentage and can be applied to the item unit price, the line item total amount, some specified amount, or various quantities. This information can also be associated with a zone to which deliveries will be made.*
		2. When BCT10 is code 42, discount information identified in this segment refers to promotional discounts.

Data Element Summary

Ref.   Data

	Des.	Element	Name	Attributes

| Must Use | SAC01 | 248 | **Allowance or Charge Indicator** | M ID 1/1 |

Code which indicates an allowance or charge for the service specified

A	Allowance
C	Charge
N	No Allowance or Charge

Use to indicate there is no charge for the specified service.

| | SAC02 | 1300 | **Service, Promotion, Allowance, or Charge Code** | X ID 4/4 |

Code identifying the service, promotion, allowance, or charge

1. Any code may be used but the following codes are preferred. It is recommended that taxes applicable to line items be identified in the 2/TXI/166 segment.

2. When BCT10 is code 42, codes C300, C310, D170, D440, and F910 are used to identify promotional discounts.

A310   Air Express Charge
A320   Air Transportation Charge
A480   Assembly
A880   Cancellation Charge
B940   Cutting Charge
C000   Defective Allowance
C300   Discount - Special
Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against an item's purchase quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units. Identify the quantity in SAC10/11. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This is contrast to the F910 step ladder discount that applies a single discount to the total item purchase quantity.

C310   Discount
Use to indicate a general discount applicable to the item identified in the LIN segment. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This general discount is not used in combination with C300 or F910. Include any general discount within the C300 or F910 discount considerations.

C370   Diversion Charge
C580   Emergency Service
C590   Emergency Surcharge

C880   Expediting Premium.
D170   Free Goods
*1. Use to indicate a quantity provided at no cost if a specified quantity
or monetary amount is purchased, e.g., buy 10, get 1 free. For a
specified quantity, cite the "free" quantity in SAC10 and cite the "buy"
quantity in SAC11. Identify the specified amount in SAC05.*

*2.   If free goods are applicable to a monetary amount range, multiple
repetitions of this SAC segment must be transmitted using code D170 in
SAC02. In this instance, the amount transmitted represents the base
amount to qualify for the number of "free goods" specified in SAC10.*

D290   Full Truckload Allowance
D440   Groupage Discount
*Use to indicate a discount applicable to a line item total quantity
meeting or exceeding the threshold specified in SAC10 or a total line
item amount meeting or exceeding the amount cited in SAC05 when
SAC15 cites the word "ITEM".*

D500   Handling
D530   Hazardous Cargo Charge
D660   Hook-up Charge
D820   Inside Delivery
D890   Installation and Training
D900   Installation
E930   One - Day Service
F560   Premium Transportation
F910   Quantity Discount
*Use to indicate a step ladder discount applicable to the quantity range
specified in SAC10/11. The discount specified for the quantity range
containing the item purchase quantity is the discount to be applied to
the item. Identify the percentage discount in SAC06/07 or a monetary
value discount in SAC08. This is contrast to the C300 incremental
discount that applies to that portion of the item purchase quantity
within each increment.*

G470   Restocking Charge
G600   Same-Day Service
G610   Saturday Delivery
G740   Service Charge
*Use to indicate a basic charge for a service call. If the charge varies by
distance, e.g., a set price within a 25 mile range, another price within a
50 mile range, etc. use SAC09/10/11 to provide that information.*

G760   Set-up
G870   Shrink-Wrap Charge
H000   Special Allowance
H110   Special Packaging

I330   Two - Day Service
I380   Unloading (Labor Charges)
I590   Warranties
Use to indicate the price for a warranty

ZZZZ   Mutually Defined
Use to indicate a training charge

Refer to 003050 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	**Agency Qualifier Code**	X	**ID 2/2**

Code identifying the agency assigning the code values

Not Used	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	**AN 1/10**

Agency maintained code identifying the service, promotion, allowance, or charge

	SAC05	610	**Amount**	O	**N2 1/15**

Monetary amount

Use to identify an amount to which the percentage cited in SAC07 (when SAC06 is code 1) or the dollar rate cited in SAC08 applies. If necessary, qualify the amount in SAC15 using the specified format. If a charge, allowance or discount is applicable to an amount range, multiple repetitions of this SAC segment must be transmitted. In this instance, the amount cited represents the lower end of the amount range.

	SAC06	378	**Allowance/ Charge Percent Qualifier**	X	**ID 1/1**

Code indicating on what basis allowance or charge percent is calculated

1   Item List Cost

Use, in conjunction with SAC15 when the word "SPECIFIED" is cited, to indicate a percentage applied to a specified amount cited in SAC05.

5   Base Price per Unit

Use to indicate a percentage applied to the Line Item unit price.

6   Base Price Amount

Use to indicate a percentage applied to the Line Item total amount.

	SAC07	332	**Percent**	X	**R 1/6**

Percent expressed as a percent

Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).

	SAC08	118	**Rate**	O	**R 1/9**

Rate expressed in the standard monetary denomination for the currency specified

Use to identify a dollar rate applicable to the charge, allowance or

discount. The dollar rate may apply to a specified quantity or quantity range; or to a line item total amount, a specified amount, or a range of amounts.

SAC09	**355**	**Unit or Basis for Measurement Code**		**X**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Use any code, other than code ZZ.

Refer to 003050 Data Element Dictionary for acceptable code values.

SAC10	**380**	**Quantity**		**X**	**R 1/15**

Numeric value of quantity

1. When SAC02 is code C300, use to identify the lower end of an item purchase quantity range that results in an incremental discount.

2. When SAC02 is code D170, use to identify the "free" quantity.

3. When SAC02 is code D440, use to identify the line item total quantity that results in a discount, if applicable.

4. When SAC02 is code F910, use to identify the lower end of an item purchase quantity range that results in a step ladder discount.

5. When SAC02 is code G740, use to specify the minimum distance applicable to a service charge, if appropriate.

6. When SAC02 is any other code, use to identify the quantity to which the charge, allowance, or discount applies. In most instances this quantity will be 1, but if a greater quantity applies, cite that quantity.

SAC11	**380**	**Quantity**		**O**	**R 1/15**

Numeric value of quantity

1. When SAC02 is code C300 or F910, use to identify the upper end of an item purchase quantity range that results in a discount, if applicable.

2. When SAC02 is code D170, use to identify the "buy" quantity, if applicable.

3. When SAC02 is code G740 and SAC10 is used, specify the maximum distance applicable to a service charge, if applicable.

Not Used	**SAC12**	**331**	**Allowance or Charge Method of Handling Code**	**O**	**ID 2/2**

Code indicating method of handling for an allowance or charge

Refer to 003050 Data Element Dictionary for acceptable code values.

	SAC13	**127**	**Reference Number**	**X**	**AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

If the discount, allowance, charge, or free goods applies to a delivery

zone, identify the zone in this data element. The delivery zones and locations within each zone are identified in the 1/N1/150 loop.

Not Used	SAC14	770	Option Number	O	AN 1/20

A unique number identifying available promotion or allowance options when more than one is offered

	SAC15	352	Description	O	AN 1/80

A free-form description to clarify the related data elements and their content

1. Use to provide text information related to information provided within this segment.

2. When it is necessary to qualify the amount cited in SAC05, use the following format:

a. To identify the amount as a line item total amount, cite the word "ITEM"
b. To identify the amount as a specified amount, cite the word, "SPECIFIED"

	Segment:	**FOB** F.O.B. Related Instructions
	Position:	160
	Loop:	LIN Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify transportation instructions relating to shipment

Syntax Notes:
1. If FOB03 is present, then FOB02 is required.
2. If FOB04 is present, then FOB05 is required.
3. If FOB07 is present, then FOB06 is required.
4. If FOB08 is present, then FOB09 is required.

Semantic Notes:
1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Notes: *Use this 2/FOB/160 segment when the Shipment Method of Payment and or the FOB point varies by item.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	FOB01	146	**Shipment Method of Payment**	M	ID 2/2

Code identifying payment terms for transportation charges

BP   Paid by Buyer

The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location)

Use to indicate the buyer is to pay the transportation charges by issuance of a Government Bill of Lading (GBL).

PP   Prepaid (by Seller)

Use to indicate that transportation charges are not included in the unit price but will be prepaid and added as a separate item on the invoice.

PS   Paid by Seller

The seller agrees to the transportation payment term requiring the seller to pay transportation charges to a specified location (origin or destination location)

Use to indicate transportation charges are included in the unit price.

	FOB02	309	**Location Qualifier**	X	ID 1/2

Code identifying type of location

		DE		Destination (Shipping)		

Use in conjunction with FOB01 code PS.

		OR		Origin (Shipping Point)		

Use in conjunction with FOB01 code BP or PP.

		W		Worldwide Geographic Location Code		

Use in conjunction with FOB01 code PS to indicate the FOB point for deliveries within the continental United States is destination and the FOB point for deliveries outside the continental Unites States is origin.

		ZZ		Mutually Defined		

Use in conjunction with FOB01 code PS to indicate an Other FOB point that is neither at origin nor destination, e.g., a port of embarkation. When used, provide the address of the other location in the 2/N1/230 segment citing code KX in N101.

Not Used	FOB03	352	**Description**	**O**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Not Used	FOB04	334	**Transportation Terms Qualifier Code**	**O**	**ID 2/2**

Code identifying the source of the transportation terms

Not Used	FOB05	335	**Transportation Terms Code**	**X**	**ID 3/3**

Code identifying the trade terms which apply to the shipment transportation responsibility

Not Used	FOB06	309	**Location Qualifier**	**X**	**ID 1/2**

Code identifying type of location

Not Used	FOB07	352	**Description**	**O**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Not Used	FOB08	54	**Risk of Loss Qualifier**	**O**	**ID 2/2**

Code specifying where responsibility for risk of loss passes

Not Used	FOB09	352	**Description**	**X**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:	**TXI** Tax Information			
Position:	166			
Loop:	LIN	Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To specify tax information			

Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:		*Use this segment to identify taxes that apply to the item and whether they are included in the unit price or are to be added to the unit price of the item.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	TXI01	963	**Tax Type Code**	M	ID 2/2
			Code specifying the type of tax		
			Use any code other than code ZZ.		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
	TXI02	782	**Monetary Amount**	X	R 1/15
			Monetary amount		
	TXI03	954	**Percent**	X	R 1/10
			Percentage expressed as a decimal		
			Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).		
Not Used	TXI04	955	**Tax Jurisdiction Code Qualifier**	X	ID 2/2
			Code identifying the source of the data used in tax jurisdiction code		
Not Used	TXI05	956	**Tax Jurisdiction Code**	X	AN 1/10
			Code identifying the taxing jurisdiction		
Not Used	TXI06	441	**Tax Exempt Code**	X	ID 1/1
			Code identifying exemption status from sales and use tax		
	TXI07	662	**Relationship Code**	O	ID 1/1
			Code indicating the relationship between entities		
			A Add		
			I Included		
Not Used	TXI08	828	**Dollar Basis For Percent**	O	R 1/9

Dollar basis to be used in the percent calculation of the allowance, charge or tax

| **Not Used** | **TXI09** | **325** | **Tax Identification Number** | **O** | **AN 1/20** |

Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

| **Not Used** | **TXI10** | **350** | **Assigned Identification** | **O** | **AN 1/11** |

Alphanumeric characters assigned for differentiation within a transaction set

	Segment:	**CTP** Pricing Information
	Position:	170
	Loop:	CTP Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify pricing information

Syntax Notes:
1. If either CTP04 or CTP05 is present, then the other is required.
2. If CTP06 is present, then CTP07 is required.
3. If CTP09 is present, then CTP02 is required.
4. If CTP10 is present, then CTP02 is required.

Semantic Notes:
1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:
1. See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Notes:
1. Use this segment to specify various prices for the item identified in the LIN segment. These include the item's unit price, unit prices for step ladder quantities or purchase values, or the unit price for delivery to various geographic locations (zones). The unit prices can be expressed by various attributes, e.g., discounted price, Government price, catalog price, etc.

2. Example of step ladder quantity prices for quantities 1-10, 11-20, 21-30, and 31 and above:

CTP**PBQ**1*EA n/l
CTP**ICL*25.00*10*EA n/l
CTP**ICL*24.50*20*EA n/l
CTP**ICL*23.50*30*EA n/l
CTP**MAX*22.00*31*EA n/l

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	**CTP01**	**687**	**Class of Trade Code**	**O**	**ID 2/2**
			Code indicating class of trade		
	CTP02	**236**	**Price Identifier Code**	**X**	**ID 3/3**
			Code identifying pricing specification		

1. Use to identify an attribute of the unit price cited in CTP03.

2. Use also to identify additional prices applicable to the item, e.g., labor rate price, lease to purchase price, etc.

	ALT	Alternate Price

Use to indicate a lease-to-purchase price.

CAT   Catalog Price

*Use to indicate a standard commercial price, i. e.,
the price offered to the general public or the
standard dealer price.*

D01   Federal Supply Schedule (FSS) Price

DPR   Discount Price

*Use to indicate the price of the item is already
discounted.*

GOV   Government Price

Use to indicate this is the price to the government.

GTP   Temporary Price Reduction Price

Use to indicate this is a temporary discounted price.

ICL   Unit Price Through Quantity

*1. Use to indicate the end of a quantity range or
an item purchase value range applicable to step
ladder pricing. Identify the quantity in CTP04 or
the value in CTP08.*

*2. Use in conjunction with codes PBQ and MAX
for step ladder pricing. Step ladder pricing is
defined as the price specified for the range
containing the quantity or dollar value purchased,
applying to all the items purchased. Use of codes
ICL, MAX and PBQ is in contrast to use of code
PAQ which identifies quantities at which different
prices are applied.*

LAR   Labor Rate

*Use when the item identified in the LIN loop is a
labor category and there is one set labor rate for
the category.*

MAX   Maximum Order Quantity Price

*1. Use for step ladder pricing to indicate the
quantity or item purchase value above which the
price will not change. Identify the quantity in
CTP04 or the value in CTP08.*

*2. Use in conjunction with codes ICL and PBQ for
step ladder pricing. Step ladder pricing is defined
as the price specified for the range containing the
quantity or dollar value purchased, applying to all
the items purchased. Use of codes ICL, MAX and
PBQ is in contrast to use of code PAQ which
identifies quantities at which different prices are
applied.*

		MSR	Manufacturer's Suggested Retail		

Use to indicate the base price from which the government price is calculated.

		PAQ	Price Break Quantity(s)		

Use to indicate a quantity where an incremental price break occurs. For example, if price breaks occur at quantities 11, 21, 31, etc., then for a purchase quantity of 25, the first 10 units are at the first price, the next 10 units are at the second price and the last 5 units are at the third price. This is in contrast to step ladder prices where all 25 units are one price.

		PBQ	Unit Price Beginning Quantity		

1. Use to indicate the beginning of a quantity range or item purchase value range applicable to step ladder pricing. Identify the quantity in CTP04 or the value in CTP08.

2. Use in conjunction with codes ICL and MAX for step ladder pricing. Step ladder pricing is defined as the price specified for the range containing the quantity or dollar value purchased, applying to all the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.

		PRP	Promotional price		

1. Use to indicate this is a promotional price. When used, identify the promotion period in the 2/DTM/180 segment.

2. When used in conjunction with codes C300, C310, D170, D440, and F910 in the 2/SAC/228 segment, DO NOT use CTP03.

		RPA	Rental Price, Annual		
		RPM	Rental Price, Monthly		
		ZNP	Zone Price		

Use to indicate the unit price of the item for delivery to a zone cited in CTP10.

CTP03	**212**	**Unit Price**		**O**	**R 1/17**
		Price per unit of product, service, commodity, etc.			
CTP04	**380**	**Quantity**		**X**	**R 1/15**
		Numeric value of quantity			

Use in conjunction with CTP05 to provide the quantity associated with

the unit of measure for ordering purposes. In most instances, the number 1 is expected.

	CTP05	355	Unit or Basis for Measurement Code	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use to identify the unit of measure applicable to the item identified in the LIN segment that is to be used for ordering purposes. Cite the applicable quantity in CTP04. In most instances, the number 1 is expected in CTP04.

2. Use any code, other than code ZZ.

Refer to 003050 Data Element Dictionary for acceptable code values.

	CTP06	648	Price Multiplier Qualifier	O	ID 3/3

Code indicating the type of price multiplier

Use to identify the discounted price.

SEL   Selling Multiplier

When CTP02 is code ALT, use to indicate the percent of the lease amount that can be applied to the purchase price.

	CTP07	649	Multiplier	X	R 1/10

Value to be used as a multiplier to obtain a new value

	CTP08	782	Monetary Amount	O	R 1/15

Monetary amount

Use to identify the purchase value applicable to step ladder prices.

Not Used	CTP09	639	Basis of Unit Price Code	O	ID 2/2

Code identifying the type of unit price for an item

	CTP10	499	Condition Value	O	AN 1/10

Identifies rate restrictions or provisions

Use to indicate the delivery zone for the price cited in CTP03 or for the discount specified in the 2/SAC/228 segment.

Segment:	**DTM** Date/Time Reference
Position:	180
Loop:	CTP Optional
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*Use this 2/DTM/180 segment to identify promotion dates when these dates vary by item in the promotion. Use this segment, if applicable, when CTP02 is code GTP or PRP.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID 3/3

Code specifying type of date or time, or both date and time

015	Promotion Start	
	Use to indicate the start date of a promotion.	
016	Promotion End	
	Use to indicate the stop date of a promotion.	

	Ref. Des.	Data Element	Name	Attributes	
	DTM02	373	**Date**	X	DT 6/6

Date (YYMMDD)

	DTM03	337	**Time**	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Use to identify the time that a promotion starts or ends.

	DTM04	623	**Time Code**	O	ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

CT	Central Time	
ET	Eastern Time	
GM	Greenwich Mean Time	
LT	Local Time	
MT	Mountain Time	

			PT Pacific Time		
	DTM05	**624**	**Century**	**O**	**N0 2/2**

The first two characters in the designation of the year (CCYY)

| **Not Used** | **DTM06** | **1250** | **Date Time Period Format Qualifier** | **X** | **ID 2/3** |

Code indicating the date format, time format, or date and time format

| **Not Used** | **DTM07** | **1251** | **Date Time Period** | **X** | **AN 1/35** |

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information
Position:	228
Loop:	CTP Optional
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:	1 At least one of SAC02 or SAC03 is required.
	2 If either SAC03 or SAC04 is present, then the other is required.
	3 If either SAC06 or SAC07 is present, then the other is required.
	4 If either SAC09 or SAC10 is present, then the other is required.
	5 If SAC11 is present, then SAC10 is required.
	6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7 If SAC14 is present, then SAC13 is required.
Semantic Notes:	1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3 SAC08 is the allowance or charge rate per unit.
	4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
Comments:	1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
	2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes:	*1. Use this segment to identify charges, allowances, no charge services and discounts (including "free goods") that apply to the item identified in the LIN segment. The charge, allowance or discount can be either a dollar rate or a percentage and can be applied to the item unit price, the line item total amount, some specified amount, or various quantities. This information can also be associated with a zone to which deliveries will be made.*
	2. When BCT10 is code 42, discount information identified in this segment refers to promotional discounts.

Data Element Summary

Ref.   Data

Des.	**Element**	**Name**		**Attributes**
Must Use	SAC01	248	**Allowance or Charge Indicator**	M ID 1/1

Code which indicates an allowance or charge for the service specified

A	Allowance
C	Charge
N	No Allowance or Charge

> ***Use to indicate there is no charge for the specified service.***

	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X ID 4/4

Code identifying the service, promotion, allowance, or charge

> *1. Any code may be used but the following codes are preferred. It is recommended that taxes applicable to line items be identified in the 2/TXI/166 segment.*
>
> *2. When BCT10 is code 42, codes C300, C310, D170, D440, and F910 are used to identify promotional discounts.*
>
> *3. Use in conjunction with an appropriate CTP02 code.*
>
> *4. Use in conjunction with CTP02 code ZNP if the allowance or charge applies to a delivery zone. In this instance, the charge is additive to the zone price and the allowance is deducted from the zone price.*
>
> *A310   Air Express Charge*
> *A320   Air Transportation Charge*
> *A480   Assembly*
> *A880   Cancellation Charge*
> *B940   Cutting Charge*
> *C000   Defective Allowance*
> *C300   Discount - Special*
> *Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against an item's purchase quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units. Identify the quantity in SAC10/11. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This is contrast to the F910 step ladder discount that applies a single discount to the total item purchase quantity.*
>
> *C310   Discount*
> *Use to indicate a general discount applicable to the item identified in the LIN segment. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This general discount is not used*

in combination with C300 or F910. Include any general discount within the C300 or F910 discount considerations.

C370   Diversion Charge
C580   Emergency Service
C590   Emergency Surcharge
C880   Expediting Premium.
D170   Free Goods
1. Use to indicate a quantity provided at no cost if a specified quantity or monetary amount is purchased, e.g., buy 10, get 1 free. For a specified quantity, cite the "free" quantity in SAC10 and cite the "buy" quantity in SAC11. Identify the specified amount in SAC05.

2.   If free goods are applicable to a monetary amount range, multiple repetitions of this SAC segment must be transmitted using code D170 in SAC02. In this instance, the amount transmitted represents the base amount to qualify for the number of "free goods" specified in SAC10.

D290   Full Truckload Allowance
D440   Groupage Discount
Use to indicate a discount applicable to a line item total quantity meeting or exceeding the threshold specified in SAC10 or a total line item amount meeting or exceeding the amount cited in SAC05 when SAC15 cites the word "ITEM".

D500   Handling
D530   Hazardous Cargo Charge
D660   Hook-up Charge
D820   Inside Delivery
D890   Installation and Training
D900   Installation
E930   One - Day Service
F560   Premium Transportation
F910   Quantity Discount
Use to indicate a step ladder discount applicable to the quantity range specified in SAC10/11. The discount specified for the quantity range containing the item purchase quantity is the discount to be applied to the item. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This is contrast to the C300 incremental discount that applies to that portion of the item purchase quantity within each increment.

G470   Restocking Charge
G600   Same-Day Service
G610   Saturday Delivery
G740   Service Charge
Use to indicate a basic charge for a service call. If the charge varies by distance, e.g., a set price within a 25 mile range, another price within a

50 mile range, etc. use SAC09/10/11 to provide that information.

G760   Set-up
G870   Shrink-Wrap Charge
H000   Special Allowance
H110   Special Packaging
I330   Two - Day Service
I380   Unloading (Labor Charges)
I590   Warranties
Use to indicate the price for a warranty

ZZZZ   Mutually Defined
Use to indicate a training charge

Refer to 003050 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	**Agency Qualifier Code**	**X**	**ID 2/2**

Code identifying the agency assigning the code values

Not Used	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**

Agency maintained code identifying the service, promotion, allowance, or charge

	SAC05	610	**Amount**	**O**	**N2 1/15**

Monetary amount

Use to identify an amount to which the percentage cited in SAC07 (when SAC06 is code 1) or the dollar rate cited in SAC08 applies. If necessary, qualify the amount in SAC15 using the specified format. If a charge, allowance or discount is applicable to an amount range, multiple repetitions of this SAC segment must be transmitted. In this instance, the amount cited represents the lower end of the amount range.

	SAC06	378	**Allowance/ Charge Percent Qualifier**	**X**	**ID 1/1**

Code indicating on what basis allowance or charge percent is calculated

1   Item List Cost

Use, in conjunction with SAC15 when the word "SPECIFIED" is cited, to indicate a percentage applied to a specified amount cited in SAC05.

5   Base Price per Unit

Use to indicate a percentage applied to the Line Item unit price.

6   Base Price Amount

Use to indicate a percentage applied to the Line Item total amount.

	SAC07	332	**Percent**	**X**	**R 1/6**

Percent expressed as a percent

Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are

suppressed).

	SAC08	118	**Rate**	**O**	**R 1/9**

Rate expressed in the standard monetary denomination for the currency specified

Use to identify a dollar rate applicable to the charge, allowance or discount. The dollar rate may apply to a specified quantity or quantity range; or to a line item total amount, a specified amount, or a range of amounts.

	SAC09	355	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Use any code, other than code ZZ.

Refer to 003050 Data Element Dictionary for acceptable code values.

	SAC10	380	**Quantity**	**X**	**R 1/15**

Numeric value of quantity

1. When SAC02 is code C300, use to identify the lower end of an item purchase quantity range that results in an incremental discount.

2. When SAC02 is code D170, use to identify the "free" quantity.

3. When SAC02 is code D440, use to identify the line item total quantity that results in a discount, if applicable.

4. When SAC02 is code F910, use to identify the lower end of an item purchase quantity range that results in a step ladder discount.

5. When SAC02 is code G740, use to specify the minimum distance applicable to a service charge, if appropriate.

6. When SAC02 is any other code, use to identify the quantity to which the charge, allowance, or discount applies. In most instances this quantity will be 1, but if a greater quantity applies, cite that quantity.

	SAC11	380	**Quantity**	**O**	**R 1/15**

Numeric value of quantity

1. When SAC02 is code C300 or F910, use to identify the upper end of an item purchase quantity range that results in a discount, if applicable.

2. When SAC02 is code D170, use to identify the "buy" quantity, if applicable.

3. When SAC02 is code G740 and SAC10 is used, specify the maximum distance applicable to a service charge, if applicable.

Not Used	SAC12	331	**Allowance or Charge Method of Handling Code**	**O**	**ID 2/2**

Code indicating method of handling for an allowance or charge

Refer to 003050 Data Element Dictionary for acceptable code values.

| **Not Used** | **SAC13** | **127** | **Reference Number** | | **X** | **AN 1/30** |

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

| **Not Used** | **SAC14** | **770** | **Option Number** | | **O** | **AN 1/20** |

A unique number identifying available promotion or allowance options when more than one is offered

| | **SAC15** | **352** | **Description** | | **O** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

1. Use to provide text information related to information provided within this segment.

2. When it is necessary to qualify the amount cited in SAC05, use the following format:

a. To identify the amount as a line item total amount, cite the word "ITEM"
b. To identify the amount as a specified amount, cite the word, "SPECIFIED"

Segment:	**N1** Name		
Position:	230		
Loop:	N1 Optional		
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1	At least one of N102 or N103 is required.	
	2	If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
	2	N105 and N106 further define the type of entity in N101.	

Notes: *1. Use this 2/N1/230 loop to identify parties that apply to the cited item in LIN01 or SLN01.*

2. Whenever possible, identification and address information should be provided using code values contained in a combination of N101, N103, and N104. Use N102 and segments N2 through N4, as applicable, when address information cannot be provided using one of the codes listed in N103.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code	M ID 2/2

Code identifying an organizational entity, a physical location, or an individual

56	Servicing Dealer

Use to indicate a dealer who services a product. This is the location to obtain service such as a repair.

DL	Dealer

Use to indicate a dealer or reseller of products.

DS	Distributor

Use to indicate the distributor of the cited item.

KX	Free on Board Point

Use to indicate the FOB point when it has to be described by a specific address rather than as a code value indicating either origin or destination. Use in conjunction with FOB02 code ZZ.

MF	Manufacturer of Goods

Use to indicate the manufacturer of the cited item.

PL	Party to Receive Purchase Order

<table>
<tr><td></td><td></td><td></td><td colspan="3">Use to indicate the location to which an order is to be sent if different than the address of the selling party, dealer, or distributor.</td></tr>
<tr><td></td><td></td><td>RI</td><td colspan="3">Remit To</td></tr>
<tr><td></td><td></td><td></td><td colspan="3">Use to indicate a specific remit-to address that is unique for the item or service identified in the LIN segment.</td></tr>
<tr><td></td><td></td><td>SF</td><td colspan="3">Ship From</td></tr>
<tr><td></td><td></td><td></td><td colspan="3">Use to indicate a location from which all items will be shipped.</td></tr>
<tr><td></td><td></td><td>SV</td><td colspan="3">Service Performance Site</td></tr>
<tr><td></td><td></td><td></td><td colspan="3">When services are contracted for, this describes the organization for whom or location address at which those services will be performed</td></tr>
<tr><td></td><td></td><td></td><td colspan="3">Use to indicate a location where a service is provided.</td></tr>
</table>

	N102	93	**Name**	**X**	**AN 1/35**

Free-form name

	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases to new procurement actions.

		1	D-U-N-S Number, Dun & Bradstreet

Use of the DUNS or DUNS +4 number is preferred over other codes to identify an entity.

		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Use of the DUNS or DUNS +4 number is preferred over other codes to identify an entity.

		21	Health Industry I.D. Number (HIN)
		33	Commercial and Government Entity (CAGE)
		LI	Labeler Identification Code (LIC)

	N104	67	**Identification Code**	**X**	**AN 2/20**

Code identifying a party or other code

Not Used	N105	706	**Entity Relationship Code**	**O**	**ID 2/2**

Code describing entity relationship

Not Used	N106	98	**Entity Identifier Code**	**O**	**ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

| | | | Segment: | **N2** Additional Name Information |
| | | | | |

Segment: **N2** Additional Name Information

Position: 240

Loop: N1   Optional

Level: Detail

Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes:

Semantic Notes:

Comments:

Notes: *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N201	93	**Name**	M AN 1/35
			Free-form name	
	N202	93	**Name**	O AN 1/35
			Free-form name	

Segment: **N3** **Address Information**

Position: 250
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N301	166	**Address Information**	M	AN 1/35
			Address information		
	N302	166	**Address Information**	O	AN 1/35
			Address information		

		Segment:	**N4** Geographic Location

Segment: **N4** Geographic Location

Position: 260
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1   If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1   A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

2   N402 is required only if city name (N401) is in the USA or Canada.

Notes: *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
N401	**19**	**City Name**	**O**	**AN 2/30**
		Free-form text for city name		
N402	**156**	**State or Province Code**	**O**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
N403	**116**	**Postal Code**	**O**	**ID 3/11**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	**26**	**Country Code**	**O**	**ID 2/3**
		Code identifying the country		
Not Used	**N405**	**309**	**Location Qualifier**	**X**	**ID 1/2**
		Code identifying type of location		
Not Used	**N406**	**310**	**Location Identifier**	**O**	**AN 1/30**
		Code which identifies a specific location		

Segment:	**PER** Administrative Communications Contact		

Position: 280
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1. If either PER03 or PER04 is present, then the other is required.
2. If either PER05 or PER06 is present, then the other is required.
3. If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *This segment will be used when the point of contact is related to an entity identified in N101.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	PER01	366	**Contact Function Code**	**M**	**ID 2/2**

Code identifying the major duty or responsibility of the person or group named

SE   Service Organization

When N101 is code SV, use to indicate the communication numbers for a service location. Use of PER02 to identify an individual by name is optional.

TR   Technical Marketing Representative

Use to indicate a technical information contact.

	PER02	93	**Name**	**O**	**AN 1/35**

Free-form name

Use to identify the name of a point of contact. Last name followed by first name is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title.

	PER03	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

While any code from the list in this implementation convention can be used, there must be at least one use of code "TE" to provide the telephone number of the party transmitting the price sales catalog.

EM   Electronic Mail

FX   Facsimile

IT   International Telephone

Include the country code.

		TE	Telephone		

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER04	**364**	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters.

PER05	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cite a FAX number.

	EM	Electronic Mail
	EX	Telephone Extension

Use only if PER03 is used citing code TE.

	FX	Facsimile
	IT	International Telephone

Include the country code.

	TE	Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER06	**364**	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters.

PER07	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

Use to identify a third communications number for the party cited in PER02.

	EM	Electronic Mail
	EX	Telephone Extension

Use only if PER05 is used citing code TE.

	FX	Facsimile
	IT	International Telephone

Include the country code.

	TE	Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area

code.

PER08	**364**	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters.

PER09	**443**	**Contact Inquiry Reference**	**O**	**AN 1/20**

Additional reference number or description to clarify a contact number

Use, if necessary, to provide the title of the party cited in PER02.

			Segment:	**CTT** Transaction Totals		

Segment: **CTT** Transaction Totals

Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: *"CTT01" carries the total number of iterations of the "LIN" segments in the transaction set being transmitted.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	CTT01	354	**Number of Line Items**		M	N0 1/6
			Total number of line items in the transaction set			
Not Used	CTT02	347	**Hash Total**		O	R 1/10

Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.

Example:

-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

Not Used	CTT03	81	**Weight**		X	R 1/10
			Numeric value of weight			
Not Used	CTT04	355	**Unit or Basis for Measurement Code**		X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
Not Used	CTT05	183	**Volume**		X	R 1/8
			Value of volumetric measure			
Not Used	CTT06	355	**Unit or Basis for Measurement Code**		X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
Not Used	CTT07	352	**Description**		O	AN 1/80
			A free-form description to clarify the related data elements and their content			

Segment: **SE** **Transaction Set Trailer**

Position:	020
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SE01	96	**Number of Included Segments**	M	N0 1/10

Total number of segments included in a transaction set including ST and SE segments

"SE01" carries the total number of segments included in the transaction set being transmitted. This number includes the "ST" (header) and "SE" (trailer) segments.

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SE02	329	**Transaction Set Control Number**	M	AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

This is the same number as the one carried in "ST02".